# COMMERCIAL

# FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

[The MINING JOURNAL is Registered at the General Post Office as a Newspaper and for Transmission Abroad,]

No. 2426.—Vol. LII.

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LONDON, SATURDAY, FEBRUARY 18, 1882.

SUPPLEMENT. | PRICE ...... SIXPENC | PER ANNUM, BY POST £1 4#

MR. JAMES H. CROFTS, STOCK AND SHARE BROKER, AND MINING SHARE DEALER, No. 1, FINCH LANE, CORNHILL, LONDON, E.C. ESTABLISHED 1842.

Business transacted in all descriptions of Mining Stocks and Shares (British and Foreign), Consols, Banks, Bonds (Foreign and Colonial), Railways, Insurance, Assurance, Telegraph, Tramway, Shipping, Canal, Gas, Water, and Dock Shares, and all Miscellaneous Shares.

Business negociated in Stocks and Shares not having a genera market

Every Friday a general and reliable List issued (a copy of which will be forwarded on application), containing closing prices of the week.

Prices OI the work.

Mines Inspected.

Bankers: City Bank, London—South Cornwall Bank, St. Austell.

BANKERS: UTILITY IN THE FOLLOWING, OF PART:—
50 Arendal, 42 Is, 3d.
50 Almada, 6s.
50 Bedford United, 25s
50 Bristaberg, 29s.
51 Bwich United, 21s, 3d.
50 Carnarvon Cop., 15s
50 Callao Bis, 10s.
51 Caption Bis, 10s.
52 Kaplanga, 10s.
53 Kapanga, 10s.
54 Kapanga, 10s.
55 Caption Con., 47%.
50 Callac Chance, 10s. 9d.
50 Caption Con., 47%.
51 Caption Con., 47%.
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55 Caption Con., 47%.
56 Caption Con., 47%.
57 Caption Con., 47%.
58 Caption Con., 47%.
59 Caption Con., 47%.
50 Caption Con., 50 Almaca.
50 Bedford United, 25s
50 Bedford United, 21s. 30
50 Brataberg, 29s.
50 Brataberg, 29s.
50 Callao Bis, 10s.
10 Devon Con., 1279.
50 Devon Friend., 9s. 6d
50 East Blue Hills, 12s.
50 East Cardon, 10s.
50 E. Chiverton, £1 10s.
50 Est Lovell, £2½.
51 E. Roman Grav., 17s 6
52 English Australian Gold, 12s.
52 Glenrock, 22s.
53 Glenrock, 22s.
54 Glenrock, 22s.
56 Glenrock, 23.
56 Glenrock, 23.
57 Glenrock, 23.
58 Glenrock, 23.
58 Glenrock, 23.
58 Glenrock, 23.
59 Glenrock, 23.
50 Glenrock, 23.
50 Glenrock, 25.
50 Glenrock, 25.
51 Grogwindon.

50 Pestarena, 4s. 3d.

25 Ruby, £2½.

20 Richmond, £10½.

20 Roman Gravels, £10.

25 S. Indian Gold, 21s. 3

10 S. Condurrow, £3½.

30 So. Darren, £5s.

25 S. E. Wynand, 22s. 6d.

30 S. Penstruthal, 5s.

50 Santa Barbara, £2s 6d.

50 So-Devon Uni., 17s. 6.

50 Sortridge, 10s.

25 Tanker. G£. Con., 5s 3

25 United Van Con., 12s 6

50 West Caradon, 10s.

20 West Phomix, 17s. 6d.

50 West Caradon, 10s.

20 West Kitty, £8½.

20 Wheal Jevell, 8s. 3d.

25 Wheal Kitty, £8.

36 Wheal Jane, 20s.

160 Wheal Jane, 20s.

160 Wheal Jane, 20s.

160 Wheal Kitty, £5.

(ONE, TWO, OR THREE | 100 Javali, 6s. | 25 Killifreth, £2½. | 25 Kollifreth, £2½. | 25

JAMES H. CROFTS, 1, FINCH LANE, LONDON. ESTABLISHED 1842.

RAILWAYS - FOREIGN BONDS - SPECIAL BUSINESS. ortnighty Accounts opened on receipt of the usual cover.
JAMES H. CROFTS, 1, FINCH LANE, LONDON.

A MERICAN AND CANADIAN STOCKS AND SHARES—
SPECIAL BUSINESS.
Fortnightly Accounts opened on receipt of the usual cover.
JAMES H. CROFTS, 1, FINCH LANE, LONDON.

TNDIAN GOLD MINES.—SPECIAL BUSINESS in:—

Cootacovil. Indian Kingston. Rhodes Reef.

Bevala Moyar. Indian Trevelyan. South-East Wynaad.
Bevala Central. Mysore Reefs. Tambracherry.

Indian Glenrock. Ooregum. Wynaad Perseverance.

Indian Phonix.

Organos.

Indian Phonix.

Organos.

\*\* Reliable information given on any of the above. A daily price list issued giving closing quotations. SPECIAL BUSINESS in La Piata, Rio Tinto, Frontino and Bolivia, Potosi, Ruby, Nouveau Monde, and Richmond. \*\* SHARES IN THE ABOVE INDIAN OR OTHER GOLD AND SILVER MINES SOLD FOR FORWARD DELIVERY ONE, TWO, OR THREE MONTHS ON DEPOSIT OF TWENTY PER CENT.

JAMES H. CROFTS, 1, FINCH LANE, LONDON.

MR. W. H. BUMPUS, STOCK AND SHARE BROKER, AND MINING SHARE DEALER 44, THREADNEEDLE STREET, LONDON, E.C.

ESTABLISHED 1867. BUSINESS transacted in STOCK EXCHANGE SECURITIES and MISCELLANEOUS SHARES of every description. BUSINESS transacted in STOCK EXCHANGE SECURITIES and MISCELLANEOUS SHARES of every description.

RAILWAYS, BANKS, FOREIGN and COLONIAL BONDS.
TRAMWAYS, TELEGRAPHS, and all the LEADING INVESTMENTS.
Accounts opened for the Fortnightly Settlement

A List of Investments free on application.

Mr. BUMPUS has SPECIAL BUSINESS in the undermentioned:—

70 Almada, 5s. 6d, 100 Goodevere, 23s. 6d, 40 Panulcillo, £5 11s. 3d. 159 Akanko.

50 Gold Const. 20s. 50 Parys Copper.

50 Bratsberg, 28s. 9d. 15 Great Holway.

50 Bratsberg, 28s. 9d. 100 Indian Phenix, 16s. 9 Parys Copper.

50 Colorado, 38s. 6d. 20 Killifreth, £23s. 25 Prince of Wales, 12s 6 100 Indian Phenix, 16s. 9 Sickinmond, £2 100 Indian Phenix, 16s. 9 South Crobor, 12s. 6d. 100 Vankerville.

50 Marke Valley, 15s. 6d 50 W. Godolphin, £2. 15 West Kitty.

51 Deven Consols, £8. 150 New Peevor.

52 New West Caradon.

53 New West Caradon.

54 Seat Caradon, 5s. 3d. 100 Fotosi, 15s. 100 West Crebor.

55 Wheal Crebor, £2\footnote{100 West Crebor.}

56 Wheal Jewell, 10s. 6d. 100 West Crebor.

57 Wheal Crebor, £2\footnote{100 West Crebor.}

58 Constant Press. 100 Protonin, £2 100 Protoni

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VS. SPADES AILS. iptions

30 Bedford United.
100 Carnarvon, 14s.
101 Carnarvon, 14s.
102 Carnarvon, 14s.
103 Colorado, 36s.
104 Colorado, 36s.
105 Copiapo, 23 1s.
105 Devais Moyar, 19s.
105 Devais Moyar, 19s.
105 Devon Consols, £8.
105 Devais Moyar,
105 Devon Consols, £8.
105 Devais Moyar,

SPECIAL BUSINESS, at close prices, in the SHARES of all the principal HOME and FOREIGN MINES.

Mr. Buspus devotes special attention to these Securities, and is in a position of afford reliable information and advice to intending investors and others.

IMPORTANT TO INVESTORS.—Shares in SOUND DIVIDEND and PRO-GRESSIVE MINES (particularly TIN and COPPER) should be bought at pre-sent prices, as many of them are likely to have a considerable rise before long. There is every probability that much higher quotations will rule within the next few months.

following are particularly recom WHEAL GRENVILLE. WEST KITTY. WEST PEEVOR. GREAT HOLWAY.

1:-WEST GODOLPHIN.
WHEAL BOYS.
DEVON FRIENDSHIP.
NEW TRUMPET CONSOLS.

WILLIAM HENRY BUMPUS, SWORN BROKER. OFFICES: 44, THREADNEEDLE STREET, LONDON, E.C. ESTABLISHED 1867.

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COMMISSION.

Notice to Investors and Speculators. Mr. BUDGE has DEALINGS in—

10 Bratsberg.

50 Bedford United.

50 Herodafoot.

25 Hingston Down.

2 Carn Bres.

20 Kit Hill.

100 Evon Priendship.

100 South East Wynaad.

100 Evon Priendship.

100 Evon Priendship.

100 Evon Priendship. Motice to Investors and S
100 Bratsberg,
50 Bedford United,
50 Earnaryon,
2 Carn Brea,
100 Devon Priendship,
100 Devon Priendship,
100 Devon Great Consols,
100 Lone Pedro,
25 D'Eresby Mount, Lead,
25 D'Eresby Mount, Lead,
26 East Blue Hill,
45 East Caradon,
50 Gawton,

2 Carn Brea.

20 Kit Hill.

100 South East Wynnad.

100 Devon Great Consols.

100 Don Pedro.

100 Don Pedro.

100 Don Pedro.

100 Langford.

100 Langford.

100 West Foltoren.

100 West Foltoren.

100 West Poltoren.

100 West P

RRITISH AND FOREIGN MINING OFFICES. MESSES. PETER WATSON AND CO.,

AUSTIN FRIARS
OLD BROAD STREET, LONDON, E.C. BANKERS: THE ALLIANCE BANK (Limited).

MESSES. PETER WATSON AND CO.'S BRITISH AND FOREIGN MONTHLY MINING NEWS -STOCK AND SHARE INVESTMENT NOTES - MINES, MINERALS, AND METAL MARKETS - SHARE LIST, No. 839, Vol. XVII., for FEBRUARY month, will shortly be ready, and will be sent to customers on application.

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M R. ALFRED E. COO.

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STOCKS AND SHARES FOR SALE.

Mr. ALFRED E. Cooke can SELL the following lots (or any smaller number of shares) to immediate applicants at prices annexed, free of commission, Where prices are not insorted, the market price of the day will be taken, or offers may be made:—

20 Bedford United Cop., 40 Hoover Hill, 8s, 41/4.

50 Brataberg Cop., 27s. 9

20 Carnaryon Copper, 14s 50 Indian Trevelyan 20 Callano-Bis Gold, 9s 50 Devala Gold, 19s. 50 Devan Friend, 7s. 6d 50 Devon Gt., Uni. 12s. 6 50 Devon Gt., Uni. 12s. 6 50 Devon Gt., Uni. 12s. 6 51 Devon Copper, 83. 10 Morfa Du, 8s. 6d. 10 Delcoath Tin, 42s. 10 Bolcoath Tin, 42s. 10 Morfa Du, 8s. 6d. 10 Statistics of the day will be taken, or offers may be purchased on application.

Mr. ALFRED E. Cooke an SELL the following lots (or any smaller number of shares in a lot sorted) free of a commission, where shares can be sold for settlement by arrangement at end march on payment of 20 per cent. deposit. Shares not found in the above ilst may be purchased on application.

N. B.—The present is a most favourable time to purchase shares in ESTA-BLISHED TIN and COPPER MINES at cheap prices.

NEW NUMBER NEXT FRIDAY. Will be forwarded to BONA FIDE IN-VESTORS' GAZETTE.

narket price.

NEW NUMBER NEXT FRIDAY. Will be forwarded to BONA FIDE INVESTORS free on application.
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AMERICAN
TELEGRAMS and LETTERS receive immediate attention. All shares curently dealt in, bought and sold, free of commission.

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TELEGRAPHIC COMMUNICATION.)

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AND R. JAMES STOCKER, STOCKER,

2, CROWN COURT, THREADNEEDLE STREET, LONDON, E.C.,

Has special business in the following for cash or settlement by arrangement:—

Gold Coast.

Brataberg.

Gawton.

Gounnislake (Clitters).

Hoover Hill.

Devan Consols.

Devon Friendship.

Devon Friendship.

Drakewalls.

Eberhardt.

La Plasta.

Kapanga.

FERDINAND R. KIRK, STOCKBROKER,

Fortnightly Accounts opened in all Stock Exchange Securities on receipt of
the usual cover. BANKERS: LONDON AND WESTMINSTER, Lothbury.

HORACE J. TAYLOR, STOCK AND SHARE DEALER,
38, GREAT ST. HELEN'S, LONDON, E.C.
BANKERS: The CENTRAL BANK OF LONDON (Limited).

JOHN B. REYNOLDS, STOCK AND SHARE DEALER, 27, WALBROOK, LONDON, E.C. ESTABLISHED 25 YEARS, BANKERS: LONDON JOINT-STOCK.

SPECIALITY.

CORNISH MINES.—Shares dealt in at net prices, and reliable information

btained.

WEST KITTY.

These shares are being wisely bought for an important rise.

THE STATE OF MARKETS.

See Mr. Reynolds's article on page 197.

MR. W. MARLBOROUGH, STOCK AND SHARE DEALER,

50 Scottish Australian, 32s.
50 Tin Hill, 12s. 6d.
40 Tankerville, 5s. 6d.
100 Van Consols, 14s.
60 West Crebor, 4., 3d.
40 West Lisburne, 18s.
30 Wheai Jane, 22s. 6d.
20 Wheai Jane, 22s. 6d.
100 West Crebor, £2½.
100 Wynaad District, 6s.
25 Wentworth Gold 10s 6

THE "DIFFERENTIAL" PUMPING ENGINE (DAVEY'S PATENT),

DRAINING MINES, WATER SUPPLY OF TOWNS, IRRIGATION. SUPPLYING DOCKS, PUMPING SEWAGE, and GENERAL PUMPING PURPOSES.

HATHORN, DAVEY, AND CO., LEEDS.

HATHORN, DAVEY, and Co. have Patterns of "Differential" Engines of all sizes, from 5 to 500-horse power, and have facilities for supplying very power ful Engines and Pumps at a short notice.

See Illustrated Advertisement every alternate week

C H A R L E S T H O M A S, MINING AGENT, STOCK AND SHARE DEALER, 3, GREAT ST. HELEN'S, LONDON, E.C.

MR. ALFRED THOMAS, MINING AGENT, AND STOCK AND SHARE DEALER, 10, COLEMAN STREET, LONDON, E.C.

MINING INVESTMENTS.—Third Edition, just published.
"What to Select, and What to Avoid," by ALFRED THOMAS, 10, Colemanstreet, London, E.C. Will be forwarded on receipt of 12 stamps.

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Bankers: London and Westminster, Lothbury, E.C.

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STOCK FINANCIAL AGENTS,
AND SHARE DEALERS,
4, COPTHALL BUILDINGS,
THROGMORTON STREET LONDON, E.C.

F. E. W. and Co. strongly recommend an investment in the following com-panies at present prices:— British & Foreign Boat East Chillaton Man-Perran Silver-Ld., 22s 6 Lowering, 27s. 6d. ganese, 45s.

GRANVILLE SHARP, STOCK AND SHARE DEALER,

32, QUEEN VICTORIA STREET, LONDON, E.C.,

Still recommends the purchase of shares in SOUND BRITISH MINES for
advance in price and increased dividends. In consequence of the generally improving condition of Trade and Commerce, the market for all metals must
necessarily continue to improve, and the shares in all Sound British Mines are
certain to advance proportionately.

EAST CHIVERTON SILVER-LEAD MINES.

EAST CHIVERTON SILVER-LEAD MINES.

Granville Sharp specially recommends the purchase of shares, the mine being on the eve of proving a very valuable property, as evidenced by the recent important discovery in the 90 fm. level driving west, where is a course of rich silver-lead ore aiready proved for over 30 fms., and has opened up valuable reserves which are being increased daily between that (90 fm.) level and the level over. A second 50-60n parcel of the ore was sold recently realising £6315s. It is an important fact that £AST OHIVERTON MINE is on the same looke which in the mine immediately west produced between the years 1853 and 1872 silver-lead ore that realised very nearly HALF A MILLION STERLING, and between 1875 and 1830 LEAD and BLENDE ORES amounting to £110,000. These facts can be verified by the books in Mr. Granville Sharp's possession, at 32, Queen Victoria-street, E.C.

Bankers: London and Westminster, E.C.

M R. STOCK AND SHARE BROKER,

STOCK AND SHARE BROKER,

42, OLD BROAD STREET, E.O.

Mr. LAMBERT, having daily communication with Agents in Cornwall, is in a position to TRANSAOT BUSINESS in MINING SHARES at the lowest quotations of the day; also to advise for the selection of Securities, and to procure independent Inspections, trustworthy Reports, &c., on advantageous terms.

The following PROGRESSIVE MINES are specially selected for recommendation as likely to experience a speedy and considerable rise:—

HAWKINS HILL (Gold), from which good dividends may confidently be expected sooner than from any of the Indian Mines. Issue fully allotted, and quotation applied for. A few of the Ss, paid shares offered at 6d, premium. Not more than tos, per share is likely to be called up.

SUCHH DOLCOATH (Tin and Copper), in which splendid specimens of grey and yellow ore are being met with, some of which may be seen at my office, and every foot advanced opens richer ground. Shares 17s. 6d.

Bankers: The Alliance Bank (Limited).

MESSRS. H. MANSELL AND CO., STOCK AND SHARE DEALERS, 19, BISHOPSGATE STREET WITHIN, LONDON, E.C.

The following SHARES are FOR SALE at prices affixed:

The following SHARES are FOR SALE at prices affixed:

100 Silver Peak, 6s. 9d. 150 Standard Bank.

20 Richmond, £375. 20 Devon Consols, £67. 22 Delocath.

50 Carn Camborne.

51 Mona. 100 Wheal Jane.

52 Bodidris. 275. 50 Wheal Jewell.

53 Bedford United. 75 Bratsberg, 31s. 50 Hudson Bay, £2334.

54 Ocarnarvonshire Great 200 Prince of Wales, 15s. 300 Herodafoot.

55 Ruby, £2 2s. 6d. 200 E. Craven Moor.

50 West Phoenix. 200 Organos Gold, £11s. 10 Wheal Agar.

BUYERS of Carnarvonshire Great Consols, Grenville, Tamar, Carn Camborne, and Van Consols and Glyn. Sellers must state very lowest price.

\*Recommended for a rise in price. Where no price is quoted offers may be made.

ALEXANDER DAVIDSON.  $\mathbf{M}^{\mathrm{R}}$ .

MR. ALEXANDER DAVIDSON,
STOCK AND SHARE DEALER,
139, LEADENHALL STREET, LONDON, E.C.,
OFFERS CAN BE MADE for the following, which are FOR SALE under quoted prices FOR CASH on receipt of transfer:—
125 Brataberg.
125 Brataberg.
126 Brataberg.
127 Britaberg.
128 Brataberg.
129 Hingston Down.
130 Devon Friendship.
130 Britaberg.
130 Britabe

# THE DIVIDEND MINES OF 1881.

WORKED BY PUBLIC COMPANIES.

Compiled from Official Sources by EDWARD ASHMEAD, F.C.A.. 2, Drapers' Gardens, London.

# BRITISH METALLIFEROUS DIVIDEND MINES OF 1881.

		Year Company		Ore sold in	1881.	Rate of	E	xisting alloted	capital.	Total amount	Dividends	declared in 1881.		
Title of Mining Company.	Situation of Mine.	Situation of Mine.	Situation of Mine.	com- menced.	Description of ore.	Number of tons.	Amount.	dues.	Shares,	Paid,	Total.	divided in dividends.	Per share.	Total.
1.—Blue Hills, Cost-book	St. Agnes, Cornwall	1869	Tin	105	£ s. d. 5,803 16 4	1-24th	5,000	£ s. d.	£ s. d. 21,625 0 0	£ 820	£ s. d.	£ 8, d		
			Tin	9441	51,966 0 0	1					0 2 0	320 0		
2 Carn Brea, Cost-book	Illogan, Cornwall	1832 {	Arsenic		83 0 0	} 1-24th	6,000	9 7 11	56,375 0 0	308,500	1 5 0	7,500 0 (		
3.—Dolcoath, Cost-book	Camborne, Cornwall	1799 {	Tin Arsenic Tin †	1816 353 1067	102,038 19 5 142 7 11 54,266 8 11	} 1-15th 1-20th	4,296	10 10 8	45,252 2 10	539,950	5 12 6	24,165 0 0		
4.—East Pool, Cost Book	Illogan, Cornwall	-{	Copper Tinstone . Halvans Arsenic	654	1,975 7 8 5,651 6 6 2,176 4 6 1,400 0 0	1-15th	6,400	0 9 9	3,120 0 0	163,868	4 3 6	26,720 0 (		
5.—Frongoch, Limited	Cardiganshire	1878	Lead Blende	600 2350	5,472 10 0 6,672 10 0	} 1-20th	12,500	2 0 0	25,000 0 0	2,500	0 2 0	1,250 0 (		
6.—Great Laxey, Limited*	Laxey Glen, Isle of Man	1863	SilLead. Blende	1600 7200	28,702 10 0 29,325 0 0	1-8th 1-20th	15,000	4 0 0	60,000 0 0	414,000	1 4 0	18,000 0 (		
7 Green Hurth, Lead, Limited	Durham	1864	Lead	860	8,517 8 1	1-10th	6,400	0 6 0	1,920 0 0	21,440	0 14 0	4,480 0		
8 Gunnislake (Clitters), Cost-book	Calstock, Cornwall	1858	Copper	2523	15,854 2 11	1-20th	10,240	2 2 0	21,504 0 0	9,088	0 3 0	1,536 0		
Lisburne, Limited	near Aberystwith	1834	Lead	910 6811	9,830 0 0 21,437 12 4	1-14th 1-24th	10,000	18 15 0	7,500 0 0	244,600	6 0 0	2,400 0 (		
Mellanear, Copper, Limited	Hayle, Cornwall	1876	Copper	1023	10,501 0 0	1			20,000 0 0	15,000	0 9 0	4,500 0 (		
.—Minera, Limited	near Wrexham, Denbigh	1850	Blende	5371	21,940 11 0	} 1-12th	9,000	5 0 0	45,000 <b>0</b> 0	614,556	0 3 0	1,350 0 (		
2.—North Hendre Lead, Limited	near Mold, Flint	1870	Lead	1099	10,984 0 0	1-15th	{ 11,854 8,146	2 10 0 1 5 0	29,635 0 0 10,182 10 0	45,335	0 5 0 0 2 6	3,975 10 (		
3North Levant, Cost-book	St. Just, Cornwall	1850	Tin	64	3,377 3 1	1-24th	2,000	13 6 0	26,600 0 0	9,600	0 3 0	300 0		
Penhalls, Cost book	St. Agnes, Cornwall	1856	Tin	121	6,661 15 4	1-24th	5,000	3 17 6	19,375 0 0	19,250	0 1 6	375 0		
5.—Roman Gravels, Limited	Shropshire	1870 {	Lead Blende	2921 60.	28,109 2 6 210 0 0	1-12th	12,000	7 10 0	90,000 0 0	105,900	0 10 0	6,000 0 (		
6South Condurrow, Cost-book	Camborne, Cornwall	1865 {	Tin Copper	457½ 52	26,403 15 3 203 14 9	} 1-24th	6,123	6 5 6	38,421 16 6	52,182	0 16 0	4,898 8 0		
Tincroft, Cost-book	Illogan, Cornwall	1836	Tin	533½ 2600	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	} 1-26th	6,000	11.10 0	69,000 0 0	265,500	0 15 0	4,500 0 0		
Van, Limited	Montgomeryshire	1869	Lead Blende	1314	3,227 12 6	1-14th	15,000	4 5 0	63,750 0 0	372,375	0 5 0	3,750 0 (		
	Illogan, Cornwallnear Holywell, Flint	1879	Tin Lead	847 145	1,475 0 0	1-30th 11. per ton.	6,000 12,000	6 15 0 1 0 0	40,500 0 0 12,000 0 0	167,100 574	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,000 0 0 574 10 0		
Wheal Crebor, Cost-book	Tavistock, Devon	1858	Copper Mundic	2877 504	9,262 3 5 459 10 0	1-15th	12,000	2 4 0	26,400 0 0	7,650	0 5 0	3,000 0 0		
	near St. Austell, Cornwall	1861	Tin Copper	524 32	31,019 8 3 172 16 10	} 1-21st	1,024	18 0 0	18,432 0 0	51,712	8 0 0	8,192 0 0		
	Camborne, Cornwall	1855 1852	Tin	3571	21,116 5 9	1-30th 1-24th	6,000 4,29 <b>5</b>	15 12 6 5 4 6	93,750 0 0 22,334 0 0	3,750 55,814	$\begin{smallmatrix}0&7&6\\0&1&6\end{smallmatrix}$	2,250 0 0 322 2		
Wheal Peevor, Cost-book	Redruth, Cornwall	1872 {	do.leavings	388	20,594 0 0 1,477 0 0	} 1-20th	3,000	7 11 0	22,650 0 0	25,425	1 1 0	3,150 0		
				£	649,736 10 9			£	890,326 9 4	£3,516,489		£139,508 10		

<sup>\*</sup> Ore Sales from August, 1880, to August, 1881.

# BRITISH DIVIDEND MINES.—QUOTATIONS 1881.

		Price	Los	vest.	Hig	hest.	Price	
Summary of ores sold as above :-	Name.	Jan. 1.	When.	Price.	When.	Price.	Dec. 31.	Average prices compared with former years:  Black Tin. Copper Ore. Lead Ore. Blends Ore.
Lead ore	Blue Hills Carn Brea Dolcoath East Pool. Great Laxey Gunnislake Mellanear Minera Penhalls	56 58 35 37 18½ 19½ 3¼ 4 4¼ 5 9 10 1½ 2¼	Dec. 31 Jan. 1 June 25 Feb. 5 Aug. 13 July 30 Sept. 10 Sept. 3 Nov. 19	2 2½ 17½ 18 55 56 33 35 16½ 17½ 2½ 3 4 4½ 8 9 1 1½	Apr. 2 Oct. 22 Nov. 19 Dec. 31 Dec. 3 Feb. 12 Apr. 2 Jan. 1 Jan. 1	3½ 4 29½ 30½ 91 93 45 47 19 20 4½ 5½ 5 5½ 9 10 1½ 2½ 13 14	2 2½ 26 27 89 91 45 47 18 19 3½ 4 4½ 5 8 9 1 1½	1876 £44 10 0 £5 0 6 £16 2 6 £3 13 6 1877 41 15 0 £7 0 13 1 3 3 15 0 1878 35 12 6 4 7 0 13 1 3 3 15 0 1878 35 12 6 4 7 0 10 13 0 3 9 9 1879 42 0 6 3 10 6 9 18 9 3 9 0 1880 52 2 1 3 11 0 11 6 9 4 6 4 1881 54 16 10 3 15 6 10 2 11 3 15 3
In 1876, British Mines 29 in number, paid £191,469 , 1877 , 31 , 173,771 , 1878 , 27 , 116,441 , 1879 , 16 , 99,002 , 1880 , 32 , 210,651 , 1881 , 25 , 139,508	Roman Gravels South Condurrow. Tincroft Van West Basset Wheal Crebor Wheal Grenville Wheal Kitty Wheal Peevor	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Jan. 1 Apr. 30 July 30 Apr. 30 Feb. 19 Nov. 12 July 9 Jan. 1 Dec. 31	7 8	May 28 Nov. 26 Jan. 8 Jan. 1 June 11 Jan. 1 Nov. 26 Dec. 31 Jan. 8	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	In 1876, Foreign Mines, 24 in number, paid £613,326 1877 "19 " 516,520 1878 "18 " 587,465 1879 "17 " 493,568 1880 "26 " 861,531 1881 "24 " 929,658

# THE FOREIGN AND COLONIAL METALLIFEROUS DIVIDEND MINES OF 1881.

					g allott	ted capital.	Total amount	Dividends d	leclared in 1881.		8	hare quota	tions in 188	31.	
Title of Mining Company.	Situation of property.	Year formed.	For what worked.	Shares.	Paid.	Total.	divided in dividends.	Per share.	Total.	Jan. 1.	Lowest.	When.	Highest.	When.	Dec. 31.
1.—Alamillos, Limited 2.—Australian Mining, Limited 3.—Birdseye Creek, Limited 4.—Cape Copper, Limited 5.—Copiapo, Limited 6.—Fortuna, Limited 7.—Frontino and Bolivia, Limited 8.—Linares Lead, Limited 10.—Panucillo, Limited 11.—Port Phillip, Limited 12.—Richmond Consolidated Lim 13.—Rio Tinto, Limited 14.—Santa Barbara, Limited 15.—Scottish Australian, Limited 16.—Sierra Buttes, Limited 17.—ditto (Plumas Eureka) 18.—St. John del Rey, Limited 19.—Tharsis Sulphur & Copper, L.	New South Wales . Sierra, California Plumas, California . Minas Geraes, Brazil Andalucia, Spain	1863 1844 1871 1863 1830	Lead Sundries Gold Copper Silver & Copper Lead Gold Copper Copper Copper Gold Silver, &c Gold Various Gold Gold Gold Copper, &c Gold Copper, &c	35,000 18,315 15,000 20,000 47,500 25,000 59,875 15,000 97,500 325,000 40,000 120,	£. 2 7 8 4 7 7 8 8 8 2 2 2 3 3 5 4 1 1 5 10 12 2 2 2 All 10 7	£, 70,000 132,399 60,000 140,000 161,670 50,000 119,750 45,000 306,590 200,000 97,500 270,000 3,250,000 4,500 120,000 40,000 5245,000 281,250 253,000 918,960 217,700 217,700	£. 77,000 25,183 13,500 858,125 93,076 200,208 25,076 270,100 16,862 41,875 180,375 700,517 427,500 23,500 234,382 241,423 260,155 1,440,400 2,402,679	E. s. d. 0 2 0 0 2 0 0 2 0 0 4 0 0 5 6 0 3 9 0 2 0 0 7 0 0 3 0 0 7 6 0 0 8 3 0 0 1 0 0 0 1 0 0 2 0 0 1 0 5 per cent. 25 per cent.	£. s. 3,500 0 1,831 10 1,500 0 80,000 0 13,076 5 4,687 10 5,747 8 5,250 0 9,197 14 18,750 0 3,250 0 225,000 0 2,000 0  } 16,000 0 15,312 10 42,187 10	1½ 2 1½ 1½ 1½ 1½ 2 41 43 2 2¼ 5 6 6 6 5 5 5½ 6 5 5 6 5 5 5 6 1 6 1 2 1 2 1 2 1 2 1 2 1 2 1 2 2 3 2 8 1 2 2 3 3 2 3 2 3 3 2 3 5 2 5 5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	March 16 July 28 May 28 Jan. 1 Jan. 1 May 18 Sept. 24 May 18 Sept. 17 Nov. 29 Dec. 31 Jan. 1 Jan. 1 June 24 Feb. 5 Feb. 5 Oct. 25	13 2 113 124 124 13 13 13 13 13 13 13 13 13 13 13 13 13	Dec. 22 Dec. 23 Aug. 27 Dec. 10 Dec. 24 Jan. 1 Jan. 1 March 8 Jan. 29 April 9 Jan. 1 April 23 Dec. 31 Jan. 1 Feb. 10 April 9 June 13 Jan. 26	14 12 12 14 12 14 12 14 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15
20Tolima, Limited	U.S. Colombia	1871	Gold	13,154 6,000 25,000	5	65,770 30,000 25,000	23,255*	0 9 9 0 0 10	5,700 1	-	-	-	-	-	3 4
21.—Victoria (London) Limited	Australia	1860	Gold	25,000 25,000 14,050	16s.	20,000	-	0 0 8	} 1871 5	-	-	-	-	-	-
22.—West Prussian, Limited	Rhenish Prussia	1875	Lead, &c	5,450 1,500	10	210,000	<b>42,208†</b>	0 12 0	3,270 0	10 103	9 10	Oct. 8	10 101	Oct. 1	9 10
23.—Western Andes, Limited	U.S. Colombia	1872	Gold, &c	15,000	5	75,000	48,163	0 6 0	4,488 0		-	-		-	-
: 4.—Yorke Peninsula	Australia	1864	Copper	{ 75,000 54,800	1	75,000 54,800 }	8,220+	15 per cent.	8,220 0	1 1	1-16 3-16	June 24	1 1	Nov. 30	3-16 5-16
					\$	7.558.889	£7.653.782		£029.658 8						

<sup>\*</sup> Dividend on the 13,154 A Shares.

<sup>†</sup> Tonnage estimated, not given in official circulars, or supplied on compiler's request.

<sup>†</sup> Dividend on the 5450 Preferred Shares

<sup>‡</sup> Dividend and quotation on the 54,800 Preference Shares.

## Registration of New Companies.

The following joint-stock companies have been duly registered:—
THE PARAGON BRICK, TILE, AND CEMENT WORKS (Limited).—
Japital 20,0001., in shares of 101. To carry on the business of brick,
jie, cement., &c., manufacturers, at Bilton, near Rugby. The suberibers are—F. Snelling, Lambeth, 100; W. J. Steward, Junior
arlton Club, 150; W. F. Songey, Highgate, 50; G. K. Pugh, Croylon, 100; J. Pinfold, Rugby, 50; E. A. Baytis, 6, Albany, 50; R. no. 100; J. Philott, Augor, 50; E. A. Bayus, 6, Albany, 50; R. earce, Church-court, 25.

THE ELECTRICAL TRADING COMPANY (Limited).—Capital 10,0001.,

THE ELECTRICAL TRADING COMPANY (Limited).—Capital 10,0001., shares of 101. To establish and carry on a business of manufacting apparatus or instruments in connection with electricity.

JAMES ISAAC AND JOHN FUSSELL (Limited).—Capital 12,0001., shares of 1001. To acquire and continue an established business usechanical engineers, tool makers, ironfounders, metal workers, the subscribers (who take one share each) are—J. H. Fussell, come; M. F. J. W. Fussell, Frome; S. J. Fussell, Frome; R. Kekewich, 1, Mitre-court Buildings; L. P. Kekewich, 2, Lomnlourt; E. V. Thompson, 9, Theobald's-road; J. Wright, 5, Colage Chambers.

H. Kekewich, I. Mittochard and Standard and

pumber of directors must not exceed five or be less than three, the publication being fixed at 25 shares.

THE BRITISH-AMERICAN CO-OPERATIVE MINING ASSOCIATION Limited).—Capital 5000l., in shares of 1l. To purchase or otherties acquire any lands, mines, lodes, veins, diggings, deposits, minagrights, quarries, works, &c., for the purpose of dealing with them any way, or for carrying on mining, quarrying, or washing operations either in America or elsewhere, and to smelt, crush, refine, and less the ores and minerals of the association, or of any other association or company, and to realise and deal with the products. The obseribers (who take one share each are—W. R. Alexander Lammen, Major-General; J. Hastings, Seymour-place, consulting enfined; G. L. Morton, Harlesden, secretary; A. J. Boult, New Jamett, engineer; S. Vine, Aldershot, grocer; O. E. Woodhouse, 0, Upper Philimore Gardens, C.E.; F. L. Rawson, 68, Cornwall lardens, engineer.

GREAT NORTHERN ELECTRIC LIGHT COMPANY (Limited).—
GREAT NORTHERN ELECTRIC LIGHT COMPANY (Limited).—
Janial 10,0001., in shares of 11. To light New Southgate and adjaent districts by means of electricity. The subscribers (who take one
hare each) are—H. E. Harris, 6, Finsbury Pavement; J. L. Whitmarsh, New Southgate; R. F. Putteriss, Mile End-road; A. Jackson,
5, Liverpool-street; J. Garne, New Southgate; R. Hawkes, New
southgate; T. H. Jones, New Southgate.

John Challing And Company (Limited).—Capital 60,0001., in
hares of 504. To acquire and continue a business of coal and iron-

ares of 50l. To acquire and continue a business of coal and ironasters and makers of bricks, tiles, and other articles, at Fenton, as Stoke-upon-Trent. The subscribers are—W. Challinor, Leek, 50; J. Challinor, Leek, 200; C. S. Challinor, Stoke-upon-Trent, 300; Grimson, Great Fenton, 200; M. Lewthwaite, Millom, 5; T. Ash-upb Fenter, 10

THE GARNANT IRON AND TIN-PLATE COMPANY (Limited) .- Ca-

worth, Fenton, 10.

THE GARNANT IRON AND TIN-PLATE COMPANY (Limited).—Capital 30,0001., in shares of 1001. The manufacture and sale of iron, teme, and tin-plates, &c. The subscribers are—T. Thomas, Bettws, 2; D. John, Llanelly, 1; J. Samuel, Llanelly, 1; T. Evans, Brynammon, 5; G. Elias, Bettws, 5; J. H. Smyth, Brynammon, 2.

THE HESKETH BANK, BRICK, AND TILE COMPANY (Limited).—Capital 50001., in shares of 51. To take over and continue a brick and tile manufacturing business in Lancashire. The subscribers (who take 50 shares each) are—S. Boothroyd, Southport; E. Tildon, Southport; J. Witham, Southport; F. Fisher, Southport; J. Hatch, Southport; E. Holden, Shipley; T. H. Sherwood, Liverpool. THE LONDON AND WEST AFRICAN BANK (Limited).—Capital 500,001., in shares of 101. To carry on a banking business in all branches. The subscribers (who take one share each) are—C. G. Bosenbach, New Exchange Buildings; G. Lund, 1, Queen Victoria-steet; W. S. Mappin, West Dulwich; F. Bigg, 39A, Threadneedlesteet; E. W. Henry, Hampstead; J. N. Harrington, 7, Albermarlestreet; J. Clements, Lewisham; H. J. Maclean, 28, Theobald's-road, THE DURKHEIM SALT SPRINGS, MINERAL WATERS, BATHS, AND ROTEL COMPANY (Limited).—Capital 35,7001., in shares of 201. and 11. To acquire and carry on mineral springs, baths, hotels, casinos, theatres, &c., in Germany. The subscribers are—Lord Headley, 7, Ashwood-road, 10; J. E. Hunter, 46, Lower Belgrave-street, 10; J. Fitz, Dürkheim, 10; E. Werly, Bannen, 10; H. Bischoff, Dürkheim, 10; E. Werly, Bannen, 10; H. Bischoff, Dürkheim, 10; E. Werly, Bannen, 10; H. Bischoff, Dürkheim, 10; L. Fitz, Dürkheim, 20; B. Pellegrinie, Longueville, Metz, 10. MOUNTSPUART SHIPBULLDING, GRAVING DOCKS, AND ENGINEER-18G COMPANY (Limited).—Capital 120,0001., in shares of 501. To carry on at Cardiff and elsewhere in Glamorgan or Monmouth the

and ATTSTEART SHIPBUILDING, GRAVING DOCKS, AND ENGINEER-MC COMPANY (Limited).—Capital 120,0001., in shares of 501. To larry on at Cardiff and elsewhere in Glamorgan or Monmouth the tades of dock owners, shipbuilders, boiler makers, founders, engi-eers, &c. The subscribers are—J. R. Christie, Cardiff, 100; C. W. Aristie, Cardiff, 50; W. H. Taylor, Whitby, 50; A. B. Tellessen, ladiff, 85; J. G. Marychurch, Cardiff, 50; W. Marychurch, Cardiff, 61; C. O. Young, Cardiff, 100.

G. O. Young, Cardiff, 100.

THE SOUTH SHIELDS SALT WATER BATHS COMPANY (Limited). Capital 50001., in shares of 11. Acquiring land for the foregoing siness. The subscribers are—H. Nelson, Westoe, 50; H. Chapman, estoe, 20; J. B. Hall, South Shields, 50; A. Allen, South Shields, 17. Mabane, South Shields, 20; G. B. Potts, South Shields, 20; Swainston, South Shields, 20.

11

T. W. Haggie, South Shields, rope manufacturer; P. S. Haggie, Westoe, rope manufacturer; J. N. Guy, Newcastle-on-Tyne, engineer; A. G. Stavert, Newcastle-on-Tyne, agent; J. P. Fonter, New-

istle-on-Tyne, gent.

CASTLE STEEL AND IRONWOEKS COMPANY (Limited). CASTLE STEEL AND IRONWOEKS COMPANY (Limited). Capital 100,000l., in shares of 10l. To acquire and carry on an established business at Cattle Pile, Milford Haven, Pembrokeshire. The subscribers (who take one share each) are—S. Lake, Milford Haven; H. A. E. Parnell, 22, Charing Cross; T. W. Taylor, 7, Victoria-street; E. J. S. Ford, 19, Barforth-road; W. T. Bothwell, Bow; W. E. Redmay, Milford Haven; A. E. Baldwin, Milford Haven.

Hedmay, Milford Haven; A. E. Baldwin, Milford Haven.

THE COLORADO MINES DEVELOPMENT COMPANY (Limited).—
Capital 21,0001., in shares of 501. To develope and afterwards to purchase, lease, or otherwise acquire and work certain mines, minerals, and mining rights at South Mountain, Rio Grande county, State of Colorado, or elsewhere, also other properties suitable or not for mining purposes, and to sell, lease out, or otherwise dispose of the same. The subscribers are.—P. Tarbutt 46. Queen Victorie-street, C. E. I. H. purposes, and to sen, lease out, or otherwise dispose of the same. The subscribers are—P. Tarbutt, 46, Queen Victoria-street, C.E., 1; H. Herbert, Muckross, 10; A. J. H. Elliot, 36, Enismore Gardens, majorgeneral, 10; A. Fell, 46, Queen Victoria-street, solicitor, 10; J. W. Dunn, Blackheath, no occupation, 10; C. Quentin, 46, Queen Victoria-street, secretary, 1; H. W. Lamb, Anerley, gent., 10. The members shall elect the directors in general meeting, and at least two shall be resident in England

De resident in England.

ALLIANCE STEAMSHIP INSURANCE ASSOCIATION.—The mutual insurance of steamships by members of the company. The subscribers are—W. Wilkie, Newcastle-on-Tyne; W. Short, North Shields; E. Shotton, North Shields; P. Barron, North Shields; J. Wait, North Shields; James Wait, Newcastle-on-Tyne; J. Canell, North Shields. be resident in England.

North Shields.
THE INSULITE COMPANY (Limited).—Capital, 20,000l., in shares of 10l. To manufacture, sell, and deal in materials connected with telegraphy, telephones, electric lighting, &c. The subscribers are—E. Easton, 11, Delahey-street, 50; H. Green, 93, Belgrave-road, 10; Duke of Sutherland, Stafford House, 20; A. K. Kemball, 79, Queen's Gate, 10; J. A. Fleming, Nottingham, 1; H. White, Hampstead, 50; M. M. Moore, 83, Lombard-street, 50; W. C. Jackson, 18, King-street, 10.
THE UNIVERSAL MINERALS REDUCTION AND AMALGAMATING COMPANY (Limited).—Capital 150,000l., in shares of 1l. To acquire certain patents and process for the treatment of auriferous and other ores, and to take over and develope the business of the Greenwich Ore Production Company (Limited), together with the works,

wich Ore Production Company (Limited), together with the works, stock, plant, machinery, effects, &c. The subscribers are—J. T. Cass, 12, Furnival's Inn, 1000; T. Orchard, 139a, Alexandra-road, 500; N. D. Garrett, 121, Bishopsgate-street, 1000; F. E. D. Bédal, Dublin, 1000; S. L. McAlpine, 94, Southwark-street, 1000; G. A. Pitts, Brixton, 500; H. J. Leslie, 4, Coleman-street, 100.

### Meetings of Lublic Companies.

THE FRONTINO AND BOLIVIA (SOUTH AMERICAN) GOLD MINING COMPANY.

A special general meeting of shareholders was held at the Cannonstreet Hotel yesterday—Mr. Thomas Eyre Foakes in the chair—
for the purpose of passing the following resolution, or any amendment thereof:—"That the capital of the company be increased by
the issue of 10,000 ordinary shares of the company of 11. each."
The Chairman said that at the last meeting the directors stated
what they considered would be the proper course to adopt with respect to this capital, and that was that they should issue 10,000 ordinary shares, and that those shares should be issued at 10s, per share

spect to this capital, and that was that they should issue of 10s, per share premium. Since then the board had under consideration the question how they should recommend that this capital be disposed of, and this was what they proposed. The 10,000 ordinary shares if issued at 10s, per share premium would give 25,000. About 5000, to repay to the revenue account the amount which had been spent on capital account since June last, and that would provide the shareholders with a dividend of 2s, per share. They proposed that 5000, should be appropriated to the purchase money of the Cordoba and Garbaldi properties, and a further 2000. It to the development of the Cordoba property, and 2000, to the development of the Gordoba property, and 2000. The development of the Gordoba property, and 2000 and 2000 and 10s appropriated in the shareholders had been the development of the Gordoba property and 2000 an nary shares, and that those shares should be issued at 10s. per share premium. Since then the board had under consideration the question how they should recommend that this capital be disposed o

that in future the discrepancy between the monthly reports and the half-yearly reports would be less, if there were any discrepancy at all.

The CHAIRMAN, in reply to a further question, said that Mr. Baxter, one of the directors, was of opinion that the expenses were too high, but this was a question which was receiving the careful consideration of the board.

A discussion ensued, in the course of which some of the shareholders expressed the opinion that the shares should be issued at par.

The CHAIEMAN said it was a matter for the shareholders to consider, and in order to test the feeling of the meeting proposed that the capital of the company be increased by the issue of 10,000 ordinary shares of the company of 2l, each at par. He added that, of course, they will be issued pro rate to the shareholders, in the proportion of one share to every six existing shares.

Mr. DEMMOND seconded the motion.

Mr. DONAGAN moved as an amendment that the capital be increased by the issue of 12,000 ordinary shares of 2l, each at par, which would give one share to every existing share.—Mr. SUTHERLAND seconded the amendment.

Several shareholders expressed their approval of this proposition, and the CHAIRMAN said it was a matter wholly in the hands of the directors.

The amendment was then put and carried.

Some conversation ensued with reference to the suggertion of Mr. Seal that one or two shareholders should be placed on the board, but no resolution was come to, as it was a question which could not be legally dealt with at this meeting.

A vote of thanks to the Chairman and directors closed the proceedings.

necting.  $\Lambda$  vote of thanks to the Chairman and directors closed the proceedings.

#### DEVALA PROVIDENT GOLD MINING COMPANY.

DEVALA PROVIDENT GOLD MINING COMPANY.

The adjourned meeting of shareholders was held at the Cannonstreet Hotel on Thursday.—On the motion of a shareholder Mr.

J. M. KLENCK was voted to the chair.

The CHAIRMAN: Gentlemen, the result of last meeting was this:
That after a very lengthened discussion relative to the committe's report, the directors placed their resignation in the hands of the meeting, and the meeting accepted that resignation, and the meeting was asked to act until the meeting was convened to elect the new board. The committee have had many meetings, but they have not legislated upon any matter connected with the company, but preferred to leave it to the new board which you will elect to-day; they have not touched a shilling nor pledged your credit, but leave the board perfectly free to take up matters at the place where the old board left off. With respect to a new board, we have had the greatest possible difficulty in obtaining the consent of gentlemen to represent you. We

board left off. With respect to a new board, we have had the greatest possible difficulty in obtaining the consent of gentlemen to represent you. We have applied in a number of instances to shareholders to allow themselves to be put forward in nomination, but we have had so many disappointing replies that it was at one time thought we should not be able to obtain gentlemen suitable in independence and position to represent you. But we have the names of some gentlemen to submit to you, and we trust they will meet with your approval.

Mr. PRISTON said that Mr. J. L. Montifiore, the holder of 1000 shares, Mr. Francis Cobbe, the holder of 100 shares, and Mr. Hugh Watt, the holder of 120 shares, had signified their willingness to act upon the board, and form part of a new board. But there must be at least four gentlemen on the board, so those three gentlemen would not suffice; therefore he suggested that Mr. J. M. Klenck, a holder of 100 shares, and Mr. F. Brobert, the holder of 100 shares, two of the members of the committee, should be also elected directors, believing it would be of great advantage to the company if they would join the board. He, therefore, moved that the following gentlemen be elected the directors of the company in the place of the gentlemen who had resigned—Messrs, J. L. Montifiore, Francis Cobbe, Hugh Watt, J. M. Klenck, and F. Probert.

Mr. J. G. MONTIFIOE seconded the motion.
Mr. HENDERSON contended that at the present meeting the committee could only suggest the names of gentlemen as directors, and the shareholders could not elect those gentlemen, but that a meeting must be called for that purpose. This was an adjourned meeting; it was impossible to legally elect directors meeting.

Mr. J. L. MONTIFIOEE said he would not consent to be a director unless he

the first meeting, and, therefore, it could not be legally done at the adjourned meeting.

Mr. J. L. MONTIFIORE said he would not consent to be a director unless he were re-elected unanimously. He had no wish to be a director, but if he were elected that course he would, under the present emergency, pursue. It would clearly be unwise to do anything beyond keeping on the property without working it for some little time to come. Let their neighbours work and strike oil, and when they had struck oil this company would have the benefit of their experience. (Hear, hear.) He also considered that every liability of the company should be paid off, in view of any resolution to immediately cease work. He would call upon the shareholders, who had not paid up their calls, to the extent of is, 6d, per share, and return the difference of 2s, 6d, per share to those shareholders who had paid up. (Hear, hear.) He would leave no money in hand for the directors to play with, but only just sufficient to continue the legal status of the esmpany. (Hear, hear.)

Mr. Roms, solicitor to the company, said he thought it would not be legal to rleet directors to-day, but a general meeting could be called, at which it could be done. He endorsed the views of Mr. Monthiore relative to the conduct of the business in future.

Mr. HENDRISON said he was the more anxious that the election should not take place at the present meeting, but that they should have time to consider, heacause he believed the committee had invited their own friends to become directors.

rectors.
Mr. Prestor said there was not a word of truth in the statement. With the ception of one gentleman, he was a stranger to all the gentlemen proposed

exception of one gentleman, he was a stranger to all the gentlemen proposed as directors.

Mr. Wart said he would consent to set as a director on the understanding that the board were not to receive any remuneration. He agreed with the policy of waiting to see the result of the working of the neighbouring company.

Mr. Propagar said it was very necessary to elect gentlemen to carry on the business. As to the committee selecting their own friends, such was not the case, and, as a matter of fact, there had been the greatest difficulty in obtaining gentlemen to act on the board, though between 25 to 20 shareholders were applied to. He fully endorsed the sentiments of Mr. Montefore.

Some further discussion ensued, and there seemed a general feeling that it would be better to have a further meeting to elect directors, and in the end a resolution was passed adding Mr. J. L. Montefore and Hugh Watt to the committee, and requesting the committee to call an extraordinary meeting for the purpose of electing directors.

f electing directors.

Mr. F. W. Wilson asked whether there was any action pending against the ompany.—Mr. Robins said there was one, which was instituted before the ang vacation. The Chairman said there was no record of this in the books, and this was nother instance of the kiches of the late board.

A vote of thanks to the Chairman and committee closed the proceedings.

### GAWTON MINING COMPANY.

The ordinary general meeting of shareholders was held at the offices of the company, Austin Friars, on Thursday,
Mr. GEORGE BATTERS in the chair.

The notice convening the meeting was read by Mr. EDWIN F.

The notice convening the meeting was read by Mr. Edwin F. Colmer.

The Chairman said: Gentlemen, in consequence of the very serious illness of our secretary, Mr. Hickey, I regret that we are unable to present to you the balance-sheet which we should like to have laid before you prior to your meeting, under the circumstances I would suggest that, as we have a large meeting, and both Mr. Bawden and Capt. Rowe are present, we should proceed as if the accounts were before us, and after hearing what we have to say you should adjourn the meeting for the presentation of the accounts, in order that the directors may have them printed, and with their report may have them placed in your hands before the date of the adjourned meeting, which I propose should be in about 14 days from the present time. The statement which I have to make to you is this: That this company was registered as a Limited Liability company a little over 12 months ago, and that this is the first annual meeting. The object of registering the company was to provide the means for carrying on the work in hand, and a small amount of capital was called up wherewith to creet arsenical furnaces, and for the purpose of carrying out various modern improvements which were suggested by your agent and by your purier; and these objects have so far been attained that two of the furnaces were lit early in September last. It required about a month or six weeks to dry these before the burning of the ore could be commenced, and the business of arsenical manufacture actually began in the beginning of November, with two furnaces, and to blast a work of the surnaces and the business of arsenical manufacture actually began in the beginning of November, with two furnaces, and the business of arsenical manufacture actually began in the beginning of November, with two furnaces, have been in blast a second to the consequence of the ore could be commenced. \$\frac{3}{2}\$\text{T}\$\text{. M. Hull, South Shields, 20}{\text{C}}\$\text{C}\$\text{. Potts, South Shields, 20}{\text{. L. Swainston, South Shields, 20}{\text{.

that would give us 200 tons of poor copper—that is the burnt ore—a month, which would realise (say) 30s. a ton, or 300. a month. But let us put it at 700. a month as the total yield, and you can be making a very good profit, even on the moderate calculation I have given for the making a very good profit, even on the moderate calculation I have given for the good of the making a very good profit, even on the moderate calculation I have given for the good of t

.. rt conversation ensued, and on the motion of the Chairman, seconded Hunter, it was decided to adjourn the meeting until the 2nd of March by Mr. HUNTER, it was decided to adjourn the meeting until the 2nd of March for the presentation of the accounts.

Votes of thanks were passed to the Chairman, to Capt. Rowe, and to Mr. Bawden, and the proceedings then closed.

[For remainder of Meetings see this day's Supplement.]

EAST WHEAL ROSE (LIMITED).

EAST WHEAL ROSE (LIMITED).

Old Jerry, Feb. 1.—Since the issue of the last special monthly report my directors have to report very satisfactory progress. The discovery of Innes' fode has been a fortunate one for the company, and the rich silver-lead which is now being daily raised from it is causing considerable excitement. The lode extends in new or unworked ground for about 500 fms. on the run of the lode, by about 40 fms. in depth, all above adit, thus being independent altogether of pumping machinery. Three stopes are already opened, and a sample of the silver-lead ore from the lode can be seen at the offices of the company.—Penrose's Bant: The erection of the 90-in. engine at Penrose's shaft is proceeding as rapidly as possible. The boilers are also in course of fixing, and as piping and outfit have all been delivered, Messra, Loam and Bon inform the board that the whole will be gompleted without delay.—North Wheal Rose: The engine-house for the boilers are also in course of fixing, and as piping and outfit have all been delivered, Messra, Loam and Bon inform the board that the whole will be shareholder as it is to the directors to find that as the mines are re-opened and developed, even more than the prospects estimated in the prospectus are being realised. And it is a further satisfaction to the board to know that the additional evidence of the value of the property laid before the directors upon their visit of enquiry and inspection, previous to the payment of any portion of the purchase consideration, is each week being proved to have been absolutely reliable. In conclusion, my directors desire me to any that except in the unwoldable delay in the delivery of the heavier portions of the machinery, the board with the yield of good paying over from Innes' lode, increasing daily, the prospects of the company (quite independent of the large amount of ore which will be raised from Middleton's, and all the other lode, as soon as the pumping commences) are exceedingly bright. After the last call of 2s. 6d, per

# MOUNTS BAY CONSOLS (LIMITED).

MOUNTS BAY CONSOLS (LIMITED).

Gld Jewry, Feb. 8.—As will be seen in Capt. Argali's special monthly report sent you herewith, the work of mining at Trebarvah is progressing well. In addition to the sales of tin being made, a parcel of copper was sampled on Jan, 23, and was to be sold on Feb. 2, and a further parcel of copper was sampled on Jan, 23, and was to be sold on Feb. 2, and a further parcel of copper is being dressed ready to be sampled. At Sydney Cove the pumping-engine is now at work in full swing, and is doing its work well. It will be remembered that the agents of the company were fortunate enough, a short time since, to discover a rich lode of tin near to the surface, which was named Browne's lode. As soon as the water is forked down to the 12 (and this will take but a short time) it is intended to drive a short cross-cut—about 15 fms.—to intersect Browne's lode, the ore from which was valued at the surface at 60 lbs. tin to the ton of stuff. The whole of this lode is in virgin ground and traverses the sett from one end to the other. As the shareholders are aware the Great Wheal Vor lode runs through the Sydney Cove property, intersecting the majority of the copper lodes in the sett. At Pembro work is proceeding favourably, and the engine and other machinery are being erected as fast as the delivery of the larger portions will permit. The directors consider that the shareholders and themselves are to be congratulated upon the prospects in this mining property, the more so that the existence of rich lodes over and above those monthoned in the prospectus is being proved continually, and they would be gratified if shareholders would themselves, from time to time, visit the mines.—F. HUTLEY, Secretary.

MOUNTS BAY CONSOLS (LIMITED).—Trebarvah, Jan. 28; This month we have sunk the engine shaft 1 fm. 2 ft.; the shaft is now down 5 fms. 5 ft. below the 50, sinking by nine men at 200, per fathom. A fortnight since a slide came

into the shaft, and are just getting clear of it. There is a branch coming in from the south, which we think will drop in with the lode in a few feet of sinking, and which we hope will act as a feeder to it. The 50, west of engine-shaft, has been driven 4 fms., and we have reset the driving fo four men at 41. 15s. per fathom. The lode here is letting out more water, and we shall soon be getting under the oreground in the levels above. We have commenced to drive a cross-cut at this level south; there are two ore three reported lodes untouched in this direction. The 40, west of engine-shaft, has been driven 4 fms.; we have reset to 4 men at 31. per fathom. The lode is 1½ ft. wide composed of white spathose quartz and pyrites. We have set the 62, west of Richard's has to two men at 54. 15s. per fathom. The lode is 1 ft. wide, worth 31. per fathom. The 62, east of Richard's is set to two men at 54. 15s. per fathom. The lode is worth 41, per fathom. When this winze is sunk to the 62, and the western level holed to it we shall be opening up stoping ground. The 50, east of Richard's shaft, to hole to No, 1 stope has been driven 3 fms. This been driven 1 fm. 2 ft.; it has been reset to two men at 61. per fathom. The lode is 1 ft., composed of quartz, blende, arsenical pyrites, and spots of copper ore. The 40, west of Richard's shaft, to hole to No, 1 stope has been driven 3 fms. This has been reset to two men at 41. 15s. per fathom. In a few feet of driving more, we hope to hole to this stope. The lode is worth 31. per fathom. In the back of this level we have two men on tribute at 15s. in 11. Four men are working on the beat of the stope. The lode is worth 32, per fathom. In the back of this level we have two men on tribute at 15s. in 11. Four men are working on the samother parcel. The crusher has been brought on the mine, and the work for the singer from the foundry. The machinery throughout the mine is working fairly well.—Sydney Cove: We are driving the western cross-cut by two men at 22, per fathom. In the countr

#### OLD SHEPHERDS MINES (LIMITED).

W. Argall.

OLD SHEPHERDS MINES (LIMITED).

Old Jewry, Feb. 3.—Considerable progress has been made in clearing the adits and shalts since the issue of last month's special report.—North Shepherds: For the information of the shareholders, it may be well to state that the main adit has been cleared, in all, for some 600 fms., and large quantities of water has been let down. Upwards of 200 fms, have been sunk in adit shaft; and as evidence of the good state of the south shaft, a line has been dropped down it for between 70 and 30 tms. In the next month's report the directors expect to be able to announce the communication of the main adit with the shaft where the 30 in. engine is being erected. The directors beg to refer the shareholders to Capt. Nancarrow's report us to the progress being made with the 80-in. engine. One of Green's patent crusher and ore dressing machine is now erected, and will be set to work as soon as the 80-in. engine commences pumping.—Western Ground: A rich bunch of lead has been cut in the north lode, western ground, and a sample of it has just been received at the office of the company, which sample the shareholders are invited to inspect. As regards the virgin, or unwrought ground, in the western part of the sett, the directors are assured that there does not exist a better plee of ground in any lead district in the county of Cornwall. This work of clearing the adits and shafts in large mines such as Old Shepherds—which has been so long idle—is a tedious, and expensive operation; but the good results of it]will be manifested as soon as the machinery gets to work. The board have every reason to feel sanguine of success; in fact, as the mines are re-opened, evidence is already given of even better prospects than were claimed for the property at the time of its sale to the company.

OLD SHEPHERDS MINES (LIMITED).—Feb, 6: South Mine: In presenting our monthly report we are glad to inform you fair progress has been made in cleaning the main adit south, where we are pushing on towards No. 20 d

we have a quality of water, but as we are only 6 fms, deep, we are amount to see them a little deper, seeing the present now presents to for source and an expensive process. The produce of the control of the control

accepted the invitation of the Austrian iron trade to hold their next autumn meeting in Vienna. The meeting will commence on Sept. 20 next, and is expected to last over several days. It is understood that excursions will be made to different points of interest to the iron trade in Austria, including the capital of Hungary (Pesth), and the capital of Styria (Gratz), one of the very oldest iron-producing

districts on the Continent of Europe. The meeting will present features of attraction, and the gathering is expected to be large and influential. The spring meeting will be held as usual at the Institute of Civil Engineers, commencing on May 9.

#### FOREIGN MINES.

ST. JOHN DEL REY MINING COMPANY (Limited). — Advices ceceived Feb. 15, 1882, ex Elbe, dated Morro Velho, Jan. 18:—
GENERAL OPERATIOSS. — GOLD PRODUCE FOR THE MCNTH OF DECEMBER. Che gold extracted during the above period amounts to 24,315.8 oits, equal to

803.2161 ozs. troy. It has been derived as follows:	OWs:-				A. A.
General mineral	Oits.	f====	Tons.	(	Dits. per t
ditto Praia	2,130.8	Hom	606	=	3.203
Mineral free from killas	6,765.9	33	1218	=	5-555
Re-treatment	23,323.9		5617	11 11	4·152 0·175
Total	24,315·8 30·0		5617	=	4.327
	24,345.8				

24,345°8

The falling off in the yield per ton is attributable to the large admixture of killas with the mineral treated during the month, operations on our best mineral ground having been greatly interfered with owing to the placing of necessary timber in the mine.

The facility afforded by the tramroad, lately completed, for the transport of mineral from the western section of the mine is very great; but, unfortunately, the mineral quarried principally from the western driving and from the walks the excavation has been, as above stated, of very low grade.

Cost AND PROFIT.

Produce for December. Less loss in melting			
Cost	24,183.9 oits., at 7s. 9d. per oit £	9,371 5 7,196 12	2 6
MINE.—Mineral raised Mineral quarrie Average attend Average attend	month from the mine de per borer per diem lance of borers daily lance of natives daily HE MONTH OF DECEMBER:—	6276 tons 2.44 93.65	8

Measurements for the Month of December:— 3 ft.

Eastern Sections.—The placing of necessary timber for securing the walk
and repairs and alterations in the pump-work have very much retarded operations in this section of the mine, as well as in the sump. But taking these intended to the duty performed in stoping and sinking is not unfavourable.

299 D.—Operations were vigorously conducted on this stope, and a large quantity of average mineral was obtained therefrom. The appearance and width of the lode continue as previously reported, viz.:—Stope about 30 ft. wide, of which 10 to 15 ft. is good mineral.

299 C.—The width of the stope in this section is now about 24 ft., the mineralbearing portion thereof is becoming still more contracted as it approaches the bar of killas.

Nos. 3 AND 4 Stopes in Same Section—During the description.

bearing portion thereon is established.

Nos. 3 AND 4 STOPES IN SAME SECTION.—During the month operations in this part of the mine were very limited, the greater part of the force being required for other more important work.

238 B.—The stope here is now about 34 ft. wide, of which 12 ft. is good and 5 ft. mixed mineral.

298 B.—The stope here is now about 34 ft. wide, of which 12 ft. is good and 3 ft. mixed mineral.

297 B.—Good duty has been done on the stope on this section, and as it has now entered into the mineral ground of the B sink we hope to get a supply of good mineral therefrom.

296 B.—Operations were chiefly directed to stripping down the lode on the north side of this section of the mine, which continues to be of very good quality. EASTERN STOPES.—SECTION 237.—A large quantity of good mineral was quarried from these stopes, but owing to our limited power of hauling their on the stopes of the good of the section of the mineral state of the good mineral was quarried from these stopes, but owing to our limited power of hauling in contemplation, whereby we trust to have the work more expeditiously and easily performed.

DRIVINGS EASTERN LEVEL UNDER ROOF.—SECTION 217—Extended 14 ft. 6 in.

No change in mineral contents of lode.

SECTION 213.—This was extended 14 ft. 6 in. There is no change to note in the appearance or size of the lode in the forebreat, but as extension cast is make the lode continues to turn in a northerly direction.

DRIVING NORTH.—SECTIONS 234 AND 255.—Operations in these drivings were conducted for only a limited period of the month, it having been determined upon.

The duty nerformed was respectively 2 ft. 7 in, and 2 ft. 11 in.

3477 ozs, troy. It has been derived as lollot	VS :					
	Oits.		Tons.	0	its, perton	ı
General mineral	4,970-5	from	1325	=	3.751	
ditto Praia	798.0		221		3-610	
Mineral free from killas	1,694.0	.00	380	-	4.457	
T- 4	7,462.5	99	1926	=	3.873	
Re-treatment	303-8		Californi	==	0.157	
Total	7,766.3		1926	=	4.030	

munerative; 5 ft. were driven.

Jan. 14: The end still further impoverished and was stopped.

Development Work—South Drift at No. 2 Stope Tunnel.—Dec. 17: The breast has improved, showing more ore than last reported; 3.6 ft. were driven.

Dec. 31: This drift continued to develope about 1 ft. of ore; it has fallen offs little during the last few days—4 ft. were driven.

Jan. 14: 2.6 ft. at \$13. The back and bottom of this drift have been carefulf little d

examined, and are both poor. We seem to have been drifting on a spur of ore, the progress of stoping at this place will soon reveal what is beyond the present back. Mesars. Breach and Clemo carried out explorations on west branch 10 fms. back. Mesars. Breach and Clemo carried out explorations on west branch 10 fms. above tunnel, nearly vertically over No. 2 stope, and the vein is at that point workings. This working is not on the plan, because the workings in that vicinity workings. This working is not on the plan, because the workings in that vicinity are very crowded. The lode in the drift in question at tunnel level has split, are very crowded. The lode in the drift in question at tunnel level has split, provided the property of the provided in the control of the provided for the provided fo

of ar is highly statement, of are the treat is ore, but little has been done this fortnight, Jan. 14: One-half the breast is ore, but little has been done this fortnight, Jan. 14: One-half the brack of Cross-cut, as alluded to in our last report, was Dec. 31: SPOPLING IN EACK OF CROSS-CUT, as alluded to in our last report, was outlined. The back is poor, showing only spot of ore; above this place we do entinued.

Set think the horse will pay; 12 ft. were stoped, but the control of the ore in that set of the control of the ore in that set of the control of the ore in that set of the control of the ore in that set of the control of the ore in that set of the control of the ore in that set of the control of the ore in that set of the control of the ore in that set of the control of the ore in that set of the control of the ore in that set of the control of the ore in that set of the control of the ore in the control of the control of the ore in that set of the control o

tion; 17 Miles.

Lies. At Providencia stope a rise was pushed 2.7 ft. for stoping facilities.

Lift: At Providencia stope a rise was pushed 2.7 ft. for stoping facilities.

Lift: One EXTRACTION: 50.5 ft. lineal were stoped at Main Salon; 7.5 ft.

Lift: One EXTRACTION: 50.5 ft. were

lift stope; 16 ft. in Primera Veta; 13.6 ft. at pillar in Providencia; 5 ft. were

lift stope; 16 ft. in Primera Veta; 13.6 ft. at pillar in Providencia; 5 ft. were

lift stope; 16 ft. in Primera Veta; 15.6 ft. at pillar in Providencia; 5 ft. were

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comes up and addly say.

BRAS.—16 tons were received, costing \$26.25.

31: 48.4 ft. lineal were stoped at main salon; price, \$4.50 to \$5; 6.7 ft.

Diegram, 15 tons were toped at main per 15 tons were received; cost 811-25, pen 814, 43-4 ft. lineal were stoped at main solid; for 2 at Providencia.

DEMP SMALLS.—7 tons were received; cost 811-25, pens SMALLS.—7 tons were received; cost 811-25, pens SMALLS.—7 tons were received; cost 12 to 12 to 13 to 13 to 13 to 14: 38 ft. lineal at main salon; 5 8 ft. lineal at Providencia; 6-8 ft. lineal late No. 2 stope; 3-2 at prospecting stope in cross-cut from rise; total, 54 ft. lineal late No. 2 stope; 3-2 at prospecting stope in cross-cut from rise; total, 54 ft. lineal late No. 2 stope; 3-2 at prospecting stope in cross-cut from rise; total, 54 ft. lineal late No. 2 stope; 3-2 at prospecting stope in cross-cut from rise; total, 54 ft. lineal at No. 2 stope; 3-2 at prospecting stope in cross-cut from rise; total, 54 ft. lineal at No. 2 stope; 3-2 at prospecting stope in cross-cut from rise; total, 54 ft. lineal at No. 2 stope; 3-2 at prospecting stope in cross-cut from rise; total, 54 ft. lineal at No. 2 stope; 3-2 at prospecting stope in cross-cut from rise; total, 54 ft. lineal at No. 2 stope; 3-4 at providencia; 5-3 at prospecting stope in cross-cut from rise; total, 54 ft. lineal at No. 2 stope; 3-4 at providencia; 5-3 at prospecting stope in cross-cut from rise; total, 54 ft. lineal at No. 2 stope; 3-4 at providencia; 5-3 at prospecting stope; 3-4 at providencia; 5-4 at providencia;

ern side about 5 it. of ore has been left under the car track. This ticklish has been concluded without any accident.

IR RESERVES.—Dec. 31: At Tunnel we cross-cut through horse and west ch: we then rose 60 ft. in the latter, and cross-cut back to main lode, liy, we pricked the block about half-way up the rise. We do not know percentage of barren horse occurs in this block, but considering that for three months of this year the pace will, from circumstances beyond our ol, have to be slackened, we consider ourselves safe in estimating ore gh in sight for the year 1582.

pox PEDRO.—Mine captain's letter, dated Jan. 18: Drainage: Water kept in fork to brass or pin holes of puppy lift, the machinery quickly draining any water that may rise above this point in stoppages caused by changing bucket or packings of machinery, &c. Rolls, linings, carriage, &c., kept well greased daily. The four sets forming the lobby for fixing new machinery put in, and side lathed and two hold backs put in to support breastings, &c. In the adit level three sets were put in back and sides lathed, &c. Bryant's viaduet has been suspense for a few days, the force being required elsewhere.—Explorations: With the heavy showers we have lately experienced a large amount of overburden has fallen down, and for want of space to stow it away also, though poor yet auriferous, it has been carted to reduction, which accounts for small amount of gold cleaned up for first division; having cleared the top branches this morning very good samples were derived, some averaging poor box work, or very rich ing very good samples were derived, some averaging poor box work, or very rich up their promising aspects, and by to-day's samples their value in gold bearing.—Estake work: the branches, though irregular in size and yield, yet continue their promising aspects, and by to-day's samples their value in gold bearing.—their promising aspects, and by to-day's samples their value in gold bearing.—they do not not be for some time, and I hope we shall get some favourable results from stamping the roughs by the end of the month. Carpenters renewing launders of iggers to bring in all the water available in gulley.

—Copy of telegram dated Feb. 10: Froduce for the month (January) 550 oits. BREDEYE CREEK.—Telegram from Mr. J. S. Goodwin, Feb. 13: Red Dog: Gross returns, 86500; remittance, \$2000.

RABELLEG (Gold and Sliver).—Telegram from the manager, Feb. 17: Shipped ballion 6004., copper 34004.

"Eny of telegram dated Feb. 10: Produce for the month (January) 550 oits. REDEYE OREEK.—Telegram from Mr. J. S. Goodwin, Feb. 13: Red Dog: Goss returns, 85000; remittance, \$2000.
ISABELLE (Gold and Silver).—Telegram from the manager, Feb. 17: Shipped biblion 6001, copper 34002.
RICHSOND CONSOLATED.—Telegram from the mine at Eureka, Nevada, Biblion 6001, copper 34002.
RICHSOND CONSOLATED.—Telegram from the mine at Eureka, Nevada, Common of \$37,000 (the exact return being \$37,285). With reference to the disputes with the Eureka Company the directors have received a telegram stating that everything is settled, and the money paid.

— X. Wescoatt, Jan 25: The following develop the 23rd inst.—The 200 west fifted in the Richmond Mine within the past week end disputes the result of the set of the set

y of stone raised per borer for the month amounted to 477 wagon loads, and enumber of holes bored per man for the month 63.

MICHIPICOTEN.—Telegram from Montreal, Feb. 15: Latest advices from the los, Jan, 13, all operations progressing satisfactorily. The weather is fine and courable for outdoor work. Batter's shaft engines working. Bevan's shaft gives ready. Jigging machinery and stone-breaker well advanced. Underguid, no chapter.

present getting any more Calling pass and rollers, with reverbratory furnal ground, no change. GPFER.—John Daw, A. W. Daw, Feb. 3: Murchison Shaft leing deep enough for a 25 m. level. We have started to drive east and west leing deep enough for a 25 m. level. We have started to drive east and west leing deep enough for a 25 m. level. We have started to drive east and west leing deep enough for a 25 m. level. We have started to drive east and west leing deep enough for a 25 m. level. We have started to drive east and west like per fathom. It is wize sinking east of this shaft, lode 2½ ft. wide, worth of 12, per fathom. Stope east of the winze sinking east of this shaft, lode 2½ ft. wide, worth of the winze sink graving work. We have about 4 fms. more to drive to the winze sink from No. 2. We are driving east from the winze and exhelt to the winze sink from No. 2. We are driving east from the winze and exhelt to the winze sink from No. 2. We are driving east from the winze and exhelt will yield or a think will yield or an average 122, per fathom each. It was not a complete the position of the past will yield or of the same value. Rise in back of No. 3 is worth 122, per fathom each. It was not a complete the proper sink from Johanne's lode of the same value, and there to the west will and worth 22, per fathom each. It was not a complete the proper sink from the past month, being now full 2½ ft. In the main tunnel has been driven during the week 5½ ft.; raise up the start of the pround at present.—Rhode's Reef: At Rhode's Reef a

y. t rema-

to be re-

17: The iriven. len off 1

arefully

coming month to start taking out ground for the turbine and air-compressors.

ARINDAL MINING AND SMEIRTING—John Daw, John Daw, Jun, Feb. 52:

Skyttum Mine [Invora's shalt is asank under the 72 should 18 fathout; the lotte the latter 535 tons per futhom. Aloust 8 ft. up from the present bottom the lotte to over 51 to, with a distribution of the lotter of the control of the latter 545 tons per futhom. Aloust 8 ft. up from the present bottom the lotte over 51 to, with a distribution of the lotter of the control of the latter of the latter is the way in the set of the latter of the latte

iron to cover it, 100,000 bricks to build reverbratery furnace at Rhodes mill and for setting the boilers of the new mill, and have written to the man in charge of all the Government forests about the country to send me in an estimate or tender for what they will deliver all the timber we shall require for the next mill. There is plenty of timber in the neighbourhood to be obtained during the dry weather, which is inaccessible during the monsoons. I do not propose at present getting any more Chillian pans or other appliances for treating the pyrites. The two sets of Chilian pans and rollers, with reverbratory furnace at Rhodes mill, will be able to treat the pyrites from several mills, and the cost of transport will be light.

Empress (Kintail Reef): This reef is thoroughly prospected for a length of over 200 yards; average thickness \$ ft. From what we have uncovered this week I think we have at least three acres of reef (it lays nearlyifat), angle 15% on side hill. Three acres can be uncovered without having to remove more than \$ ft. to 10 ft. of earth and rock.—Harewood Reef: The tunnel which is being driven by contract has progressed 2½ ft. this week; some time lost in timbering, driving good. Hope to make better progress in the future.—Salomon's Reef; The main tunnel has been driven during the week 5½ ft.; raise up for the week 3½ ft. In the main tunnel the ground is much easier to drive; footwall getting softer, and the appearance of the reef much better. Large blocks of pyrites coming in, in which I can see gold. I am very pleased with the appearance of the reef much better. Large blocks of pyrites coming in, in which I can see gold. I am very pleased with the appearance of the reef much better. Large blocks of pyrites coming in, in which I can see gold. I am very pleased with the appearance of the reef much better. Large blocks will getting softer, and the appearance of the reef much better. Large blocks of pyrites coming in, in which I can see gold. I am very pleased with the appearance of the reef much

PLACERVILLE GOLD QUARTZ COMPANY .- Messrs. John Taylor and

# Mlining Correspondence.

#### BRITISH MINES.

BRITISH MINES.

ASSHETON UNITED.—J. Garland, Feb. 15: We have a little improvement in the 40, west of boundary shaft; the lode is opening out wider, now 3 to 4 ft., and yesterday we struck into a branch of lead ore, 3 to 4 fm. wide, near the bottom of the level. The branch as far as seen yields good lumps of ore. The 70 west has also a much more promising appearance than at the date of bast report; the lode is over 4 ft. wide, and composed of killas, blende, and stones of lead ore—saving work. The tribute pitches are without important change. We sampled on Wednesday last, for sale to morrow. 30 tons of lead ore.

BEDFOR UNITED.—H. Trezize, Feb. 15: North Lode: The 115 east is without change since last report.—McCallan's Shaft, Bridge Lode: We have not done anything in the way of sinking the shaft since last report. The shaftmen have been doing work preparatory to sinking. The lode in the 30 west is 5 ft. wide, composed of goesan, capel, and copper. The lode in the 30 west is 5 ft. wide, composed of goesan, capel, and copper. The lode in the 50 east is looking much better for copper, and is 5 ft. wide—a promising looking lode: The lode in the 20 west is 2½ ft. wide, composed of iron, gossan, and spar. In the 20 east the 20 west is 2½ ft. wide, composed of iron, gossan, and spar. In the 20 east the 20 west is 25 ft. wide, composed of goesan in the rise in the back of the 20, and is much as I expected—poor. We are not making the progress in sinkin the western shaft as I could desire, owing to the water being too much to sink without a lift. The tribute pitches are looking very well.

BEUNO CONSOLS.—J. Woolcock, Feb. 15: The cross-cut referred to in mights report of Jan. 30 has been completed, and have intersected the lode, from which we had stones of solid ore weighing 1½ cwt. I hope to be able to report more favourably next week on this part of the mine, as by then we shall have reached the other wall of the lode. The driving from new shaft has become more settled, as I anticipated, and yielding more ore, and loo

which we had stoned sold ore weighing 15c est. I hope to be able to report reached the other wall of the lode. This driving from me shaft has become more settled, as I anticipated, and yielding more ore, and looks promising for a turther improvement.—Engine-House Level; the sump and stope still yield fevel south from engine-shaft; delay here is unpardonable. Engine has not yet the country of t

the output of stuff increased, and better results shown; on the whole, the prospects of the mine are very encouraging.

DEVON FRIENDSHIP.—Wm. Gill, Feb. 16: The lode in the 30 end, west of Bennett's shaft, is slightly disordered by a horse of killas. I believe this to be only temporary. A new stope in the back of this level the lode is 4 ft. wide, and yielding 1½ ton of good copper ore and 6 tons of arsenical mundic per fm. The 30 east is without change since my last. We are pushing on with this end with all possible speed, and hope soon to get through the hard bar of ground referred to. The lode in the 12 fm. end west is 3½ ft. wide, and worth 4 tons of mundic per fathom. The lode in the adit end east is 2½ ft. wide, and producing 5 tons of arsenical mundic per fathom, with occasional stones of good copper the states in the back of this level are without change. The shaftmen

mundic per fathom. The lode in the adit end east is 2½ ft. wide, and producing 5 tons of arsenical mundic per fathom, with occasional stones of good copper ore. The stopes in the back of this level are without change. The shaftmen have made good progress in cutting ground and fixing bearers and cistern at the 30. We intend fixing a 15-in. plunger at this level, and hope to get the water in fork to the 45 by the time the engine and compressor are ready to work; so that we shall put the drills to work in the 45 and 30 cast of shaft, and drive under a good lode gone down from the adit level, which cannot fall to yield large quantities of arsenical mundic. At surface, I am pleased to say, the masons have completed loading for engine and compressor at Bennett's shaft. The tube for another calciner is delivered on the mine, and will be erected as soon as possible. The tram-wagons are at work on the incline taking the staff from Bennett's shaft to the dressing-floors; this will reduce the cost of horse labour considerably.

— Chas, Thomas and Son, Feb. 16: The ground is cut for trip-plat at the 20, and bearers for ciltern fixed; we hope to drop below this level in a few days. There is a favourable change in the 30 east since our last report; the ground is caller, and we have cut a good leader of arsenical mundic. We believe we have driven very nearly through the hard bar of ground, and consequently expect a change for the better shortly. The 30 west produces 5 tons arsenical mundic per fathom, and a little copper ore. About 12 fms, behind the present end of the 30, and about 18 fms, before the end of the 12, we have commenced to rise in the back of the 20, where the lode will yield 6 tons arsenical mundic and 1½ ton copper ore per fathom. The 12 west is worth 3 tons arsenical mundic per fathom. No change in adit end cast, or in the stopes in back of adit, since our last report. Our main object for the present is to lay open the ground for stoping between the adit and the 30 both east and west of shaft, so as to increa

surface work.

DEVON GREAT CONSOLS.—Isaac Richards, Feb. 16: Wheal Josiah: In the
144, east of the Count-house shaft, on the new south lode, the lode is 2 ft. wide,
consisting principally of capel, with small quantities of copper and mundic ores

interspersed.—Wheal Emma, Inclined Shaft: In the 137 cast, east of Friend's cross-cut, the lode is 6 ft. wide, composed of capel, quartz, peach, prian, and small quantities of copper and mundic ores.—New Shaft, New South Lode: In the 115 cast the lode is 2 ft. wide, of a promising character, and yielding a little fobth copper and mundic ores.—Railway Shaft: In the 205, west on the south part of the lode, the lode is 3 ft. wide, composed of capel, quartz, peach, mundic, and a little copper ore. In the 190, west on the south part of the lode, the lode is 4 ft. wide, of a promising character, and yielding some copper and mundic ores. In the 175, west on the south part of the lode, the lode is 4 ft. wide, of a promising character, and a little copper ore. In Denner's winze, sinking below the 175 west, on the south part of the lode, the lode is 4 ft. ide, of a promising character, and producing some saving work of copper and mundic ores. In the 160, west on the south part of the lode, the lode is 6 ft. wide, composed of very fine capel, quartz, peach, mundic, and a little copper ore of good quality.—Watson's: The cutting of plat at the 85 has been completed, and the engine-shaft is again in regular course of sinking in the country on the north side of the lode, the ground being tolerably favourable for progress, and very congenial for the production of mineral. There is nothing new to remark upon at any of the other points of operation throughout the mines.

DEVON GREAT UNITED.—I. Richards, Feb. 16: At Willesford's shaft, sinking below the 104, the lode is 2 ft. wide, composed of capel, quartz, peach, prian, some good arsenical mundic, and a little copper ore of good quality. We continue to drive by the side of the lode in the 50 and 60, west of Watson's shaft, for more steady progress. In the cross-cut south at the 20, cast of Willes-Fel's. 'le ground continues of a favourable character for the production of mineral.

pran, some good argement monder, and a facte copies of so good desired shaft, for more steady progress. In the cross-cut south at the 20, east of Willesparks: he ground continues of a favourable character for the production of
mineral.

DRARE WALLS.—M. Bawden, Feb. 16: Since our last report we have sold
19 tons 19 cwts. 1 qr. 17 lbs. black tin, at 674. 10s, per t.m, realising 13471.19s. 74.

We have now at work, underground, 50 men—23 on tutwork, 22 on tribute, three
securing shafts, and two filling skips. The contracts are: Seven men driving
deep add level, west of recas-course, towards Mathews' shaft, 50 fms., at 44. 15s.
per fathom, 25 fms. yet to accomplish, working by aid of reck drill; at men
cutting plat at the add level at engine-staft, which of the cast cowards Mathews' shaft, at 44. 10s.
per fathor and the cast of the complete of this work we hope to
complete by the end of April. at the he deep add for water level. It must be
torne in mind a single nound of tin ore, as we have had no means of bringing it
to surface, nor can we until a communication is made with Mathews' shaft. We
have four men driving the 40 west of engine-shaft, at 54. 10s. per fathorn. In
about 10 fms. more driving we shall intersect a large cross-course, and to the
west of which we expect to meet with some rich paying tin ground. Of the 22
men working on tribute at 10s. in the 14. and 504, per ton for black tin, only 16
have as yet returned any tin, and the price made, 574, 10s. per ton, will really
bring back the tribute to less than 7s. 64. in the 14., the men also having to
spall and pick the tinstone and get it ready for the stampling mills. This we
consider highly satisfactory. At surface we are employing 25 fmen and boxys
doing the necessary repairs and dressing tin ores. The cylinder of the steam
stamps should we require to do so. The more 1 see of the mine the more
I am confirmed in my opinion that we have a very property in Drake Walls.

EAST BLUE HILLS.—S. Bennetts, Feb. 16: The lode in the adit east end is
now worth 25

atent two months, at 41.; yielding 1½ ton per fathom. To stope the bottom of the 60 by six men, steni the month, at 21. 13. 63.; yielding 2½ tons per fathom. To stope the back of the 60 by four men, stent the month, at 31. 55.; yielding 1½ ton per fathom. We have also set three tributes at different levels, at 15 ton per fathom. We have also set three tributes at different levels, at 15 ton per fathom. We have also set three tributes at different levels, at 15 ton per fathom. We have also set three tributes at different levels, at 15 ton per fathom. We have also set three tributes at different levels, at 15 ton per fathom. The fathom is a set of the shaft at the 100 fm. level to the lode, which we may safely calculate on reaching within a month. Considering the very great improvement in the lode at the 90 compared with the level over, the 74, and the extending of the ore ground, both east and west, at the 90, we shall drive a level east as well as west on reaching the lode at the 100. We have about 400 fms, to the east of the shaft on the run of the lode on which nothing has been done below the 50, where some 40 fms, were driven, and occasional patches of very good ore met with, in a lode very favourable for the production of sliver-lead ore; consequently, we may expect at an increased depth of nearly 50 fms. a similar improvements as we have found in the western levels. No alteration in the value of the mine since my last.

EAST LONG RAKE.—H. B. Vercoe, Feb. 16: All our ore-producing east the producing good lumps of ore. There has been nothing done in the sump below veighed off the produce of 25 tons of lead ore, and have other 25 tons in course of smelting. Full report, here were the producing good lumps of ore. There has been nothing done in the sump below the 50 west, on flat since my last report, as we are not yet quite free from water; these men are continuing the cross-cuts further north on the flat to intersect the Old Long Rake lode, and which we shall do in 2 fms, further driving; and as this lode has

athom. All the stopes are just the same in take to the usual use of the usual use of the usual use of the use the lode is 5 ft. wide, favourable for progress, and similar in character as for some time past. Water issues freely from the north side, indicating an early change. In the 95 north the lode is producing 1 ton of lead ore per fathom, and very promising for an improvement.—Level Engine: In the 80 cust the lode is 3 ft. wide, ortincipally lead and blende, worth of the former 1½ ton per fathom. The communication between this and the 60 is now complete, and consequently good ventilation prevails throughout this section of the mine. In the 50 cust the cross-cut has proved the width and character of the lode. Driving has been resumed in an easterly direction, where there are several new branches of lead, and affording great encouragement. I anticipate an early improvement. The stope in the bottom of this level, cast of winze, is opening out well, and the lode yielding 1½ ton of lead ore per fathom.—Tribute: Pitch No. 5, in the back of this level, is worth 4 tons of lead ore per fathom is No. 3 pitch is worth 2 tons per fathom; No. 1 pitch, in the back of this level west, is worth 1½ ton of lead and 1½ ton of blende per fathom.—Brammock Shaft; No. 4 pitch, in the back of the 60 cast, is worth 1½ ton of lead and 2 tons of blende per fathom.—Office Shaft: The pitch in the bottom of the 60 west is producing 1 ton of lead and 1½ ton

Have sold to-day 2) tons of lead ore, realising 3835. 148., and early in next week shall sample 45 tons of blende.

GREAT LAXEY.—F. Reddicliffe, Feb. 15: The cross-cut in the 247 end morth of Wesh shaft has passed through a branch of lode about 2 ft. wide, worth 52. or 62, per fathon for blende ore, but from the appearance of the ground there is more lode to come, and the cross-cut is being continued. In the intermediate joint drive and stope above this level north of the rise the lode is worth 302, per fathom. The lode in the 27 east produces good stones of fin. No fathom, but at present the men are working the bottom of the place, where the lode is not as good, with the intention of holing to the level below if the ore continues down so that the ground can be worked more economically. In the milar working on the south side of the winze the lode is improved, and worth 202, per fathom. The lode in the 27 west produces good stones of tin. No sent the ground can be worked more economically. In the milar working on the south side of the winze the lode is improved, and worth 202, per fathom. The lode in the 27 west produces good stones of tin. No there change to report.

MOUNT CARBIS.—W. Tregay, Geo., Johns, Feb. 16: The engine shaft is being but up the capstan and other erections.

MOUNT CARBIS.—W. Tregay, Geo., Johns, Feb. 16: The engine shaft is being such with all speed. The lode in the 53 east and other erections.

MOUNT CARBIS.—W. Tregay, Geo., Johns, Feb. 16: The engine shaft is being such with all speed. The lode in the 53 east end is worth 122, per fathom. The lode in the 27 east produces good stones of tin. So fin per fathom, the lode in the 27 east produces good stones of tin. No the remains and other erections.

MOUNT CARBIS.—W. Tregay, Geo., Johns, Feb. 16: The engine shaft is being such with all speed. The lode in the 53 east end is worth 122, per fathom. The lode in the 27 east produces good stones of tin. No fin per fathom. The lode in the 27 east produces good stones of tin. No the capstan and othe

of the three stopes in the sole of the 220 has improved, present value being 252, per fathom, the others 184, and 184, respectively; also one in the roof improved to 254, per fathom, and the 210 three is no change. The stope in the 130 north is not by good as last reported, present value being 184, per fathom, but it is designed to be used to be used to 254, per fathom, but the 250 three proves this ground. There is a short piece of ore in a joint drive and stope below the 145 south, worth 404. Per fathom, but the other places south of shaft are of low commercial value as well as those at the 110 and 100 north of the shaft, ranging from 64, to 104, per fathom,—Dumbell's: The lode in the 250 end north has been opened to its full width, which is about 54 R., but reduced in value—304, per fathom.—For a few days, but I am pleased to say it has recovered a value of 404, per fathom. In an slog fals to say that the winze sinking below this level is again improving, and at present worth 354, per fathom, No. 1 stope is worth 184, per fathom, and No. 2 504, per fathom. The two new stopes in the sole of the 200 do not improve quite as we expected, the present worth 254, and 504, respectively; if on value to 84, per fathom, There is substantially no change at any point unmentioned throughout the mine.

GREAT WEST CHIVERTON.—J. Curtis, Peb. 15: The lode in the deep adit is about 13 in. wide, ground a little harder, and not so productive for lead as for some time past which are the sole of the s

still a rib of lead in it about 3 in. wide. The 20 stopes are worth about ½ ton of lead per fathorn.

LADY BERTHA UNITED.—T. Gregory, Feb. 15: The lode in the 30 cast is still productive for mundic and copper, and maintains its former value of 14. per fathorn. The lode in the 40 cast will produce 8 to 10 tons of mundic per fathorn. The rise in the back of the 40 is opening out exceedingly well, and is worth 3 tons of mundic per fathorn. Rowe's winze, below the 30, near the engine-shaft, will produce over 10 tons per fathorn; this is a very important point, now going down in new or whole ground. We are going on very satisfactorily with the drawing and dressing of mundic and copper, and machinery working well, LANGFURD.—R. Goldsworthy, Feb. 15: I am pleased to inform you that the winding engine is all sent away, and portions have been delivered at Langford. I thought to have loaded the two boilers yesterday while Mr. Mathews was here, but the Pool people could not come till Monday or Tuesday next, and I hope in anotner 12 or 15 days the pumping-grinders, &c., will be taken out. At Langford the roof of the engine-house has been taken down, and a portion of the walls and loading taken out.

roof of the engine-house has been taken down, and a portion of the waits loading taken out.

EADHILLS.—Arthur Waters, Feb. 16: The mine continues to open out well, taken altogether our prospects were never greater than now; the lead proing points now under development (19 in number) are worth together about ons per fathom. You shall have full report to send out to the shareholders

LEADHILLS.—Arthur Waters, Feb. 16: The mine continues to open out well, and taken altogether our prospects were never greater than now; the lead producing points now under development (19 in number) are worth together about 50 tons per fathom. You shall have full report to send out to the shareholders on Saturday morning next.

MELLANEAR.—Ohn Gilbert, Feb. 15: We have intersected a small branch of Japar and mundle in the 30 cross-out driving southfof Gundry's shaft, but nothing to value; the ground continues easy for driving. In the 60 cross-out, west of shaft driving south from the main lode, the ground is changed to a very hard elvan, and our progress is slow. We have net with a branch about 6 in, wide, composed of spar and mundle, and letting out a little water in the 70 cross-out, driving north from the main lode, but it is dipping north too fast for the lode we are expecting to intersect. In the 30, west of shaft on the north part, the lode is 4 it. wide, and yielding 3 tons of ore per fathom. This part is converging towards the main lode, and will probably form a junction with it a little larther west. The lode in the 109, west of shaft, is 4 ft. wide, and still yielding 3 tons of ore per fathom. This part is converging towards the main lode, and will probably form a junction with it a little larther west. The lode in the 109, west of shaft, is 4 ft. wide, and still yielding 3 tons of ore per fathom. In the 110, driving west of shaft on the south part, the lode is 3 ft. wide, yielding 1 ton of ore per fathom, and looking promising. The rise in the back of the 110, east of shaft, is 4 ft. wide, and yielding 1 ton of copper ore per fathom, and occasional stones of tin. The 120, driving west of shaft, is 4 jt. wide, and yielding 1 some good stones of tin. The 120, driving west of shaft, is 4 ft. wide, and yielding some good stones of tin. The 120, driving west of shaft, and find it to be about 2 ft. wide, and yielding some good stones of tin, but still disordered by the cross-course. The stopes are yielding

ore. In the 50, west of the engine-shaft, the lode is producing stones of copper ore. The lode in the 40, west of the engine-shaft, is from 1½ to 2 ft. wide, composed of quartz, with green carbonate of copper to be seen at times. In the 62, west of Richards' shaft, the lode is small, producing occasional stones of copper; in about 6 or 7 fathoms further driving we shall get under the winze sinking below the 57. In the 62, east of Richards' shaft, the lode is 1½ ft. wide, worth 104, per fathom. We have one tribute pitch in the back of the 40, west of Richards' shaft, working at 15s. in 11., worth about ½ ton of copper per fathom. The machinery throughout the mine is working very well,—Sydney Cove: We have great pleasure to report the putting to work of the pumping-engine on Feb. 1, which went to work well, and continues to do so. We have set to clear the shaft of sand, and to fix the pitwork, to nine men, who are making fair progress. This week we have cleared the shaft about 4 fun, which is now down 8 fathoms from surface. We can see at this point a crosscut or level, but cannot report for certain as yet which it is. We have also three men clearing a sund from the whim-shaft. In the western cross-cut the ground is a little casier, and we are still getting branches containing blende and yellow copper ore. The surface operations are being pushed forward.—Pembro: The shaft balance-bob is complete, and we now commenced to build the stack. The shaft balance-bob is complete, and we are now going to put up the capstan and shears and other erections.

MOUNT CARBIS.—W. Tregay, Geo. Johns, Feb. 16: The engine shaft is being sunk with all speed. The lode in the bottom of the 38 is worth 26t, per fathom. The lode in the 27 west produces good stones of tim. Anythy D GORDDU.—T. Kemp, Feb. 15: The 46 end, west of cross-cut, has

bunch of ore seen in that level standing in the north part of the lode; this shall prove shortly by cross-cutting. The lode in the breast of the level showing a much better appearance, being composed of killas and spar good stones of ore, but yet continues extremely hard for opening. It is looking forward in every foot driven to have a decided improvement of the looking forward in every foot driven to have a decided improvement in the standing of the standing to the mineral and progress. There is no change in the 46 end, east of cross cut sin last report. The part of the lode carried in sinking the winze below the big composed of killas and calcspar, carrying a little lead ore, in ground tight opening and water rather troublesome. This winze is standing to the nonthe 46, and I intend in a day or two to take the men from the stope in the and put them to cross-cut under the point of the said winze, so as to describe the standing of the said winze. So as to describe the standing of the said winze. So as to describe the said winze with said winger than the said winze.

XEW GREAT WHEAL VOR.—H. Cowling, Feb. 15: Since my last report in have come down on another floor or bed of tin. We blasted in it and brought parcel to surface; it is the richest we have brought up since our commencement of the said winze.

NEW KITTY.—W. Vivian, Feb. 16: We continue to make good progress.

equally as rich in depth. We are going down on a mass of tin, and if it bels out increasing in size and value a few fathoms deeper I cannot calculate a value.

NEW KITTY.—W. Vivian, Feb. 16: We continue to make good progres is sinking the engine-shaft. I hope to have the shaft down to the 35 in about fortnight, where I purpose to cut blat and drive north to intersect the need lode that was cut in the shaft about two months since. In the 14 driving was the lode is very kindly in appearance, and producing good stones of tin.

NEW WEST CARADON.—N. Richards, Feb. 15: Fair progress is being magin in driving the 33 cross-cut, south of Hallett's shaft. The lode in the 42, west Hallett's cross-course, is at present poor. In driving this level east of cross-course we drove in an orey branch for some distance, which we think was serving of further trial; we have, therefore, suspended the driving for the serving of further trial; we have, therefore, suspended the driving for the sent, and placed the men to rise in the back of the level, and although they sent, and placed the men to rise in the back of the level, and although they another branch will fall into it, when we expect the lode will further frings another branch will fall into it, when we expect the lode will further frings and looking at the position of the ground, with the several lodes passing through some of which are now being opened out on, I again repeat it is a place of groud worthy of a spirited trial, and should be worked with vigour.

NORTHERN.—T. Tonkin, Feb. 16: The stopes in the 15 west section maintain a jelled of 10 cwts. of ore per fathom in easy ground likely to improve going westward. The east section stopes are very changeable at present. The stope in the 25 cast section are looking favourable, and yield 10 cwts. of ore per fathom. The stopes above the 42 west section yield 12 cwts. of ore per fathom; the mare driving west on the main leader near Low shaft. The weather is favourable and dressing going on as usual.—Brandon Walls: The 37, cast o

being driven forward on the lode, is in a very kindly calspar, producing on stonal good stones of ore, and has every appearance of improvement. Individually a stone of the shaft is likely to open on a rich lode very shortly. The presents very favourable indications.

NORTH DERESBY MOUNTAIN. — R. H. Vivian, Feb. 16: Scarcely so change has taken place in the value of the lode in our bottom end during the past week, excepting there is more water coming up from the bottom of inforebreast. I look on this as indicative of a more productive vein still being. I have not seen a more kindly vein anywhere in this mine, and, as I has always said, I am persuaded we shall have a good mine on development.

NORTH GREEN HURTH. — James Polglase, Feb. 11: The rise in the back the deep adit level cross-cut is in hazle; the vein is small and unproductive. I driving south on the course of the lode we find it small and without ore. We purpose next week to open upon a north and south lode near the boundary the sett, and will apprise you of the result in a few days.

NORTH HERODSFOOT.—T. Trelease, Feb. 16: The lode in the 117 still min tains its size and character, as reported last week, and is still producing away work for the floors. The ground by the side is easy and congeneinal for a ducing lead ores. The stope in bottom of this level continues to yield 8 cwis. The ground by the side is easy and congeneinal for a ducing lead ores. The stope in bottom of this level continues to yield 8 cwis. NORTH PENSTRUTHAL.—S. Davey, Feb. 16: I am pleased to inform we have broken some good stones of yellow copper from the 103 west. The seems to be undergolog a change. There is nothing new in either of the days and the producing and no per per from the 103 west. The seems to be undergolog a change. There is nothing new in either of the days.

work we have at surface, and hope to get it ready for sale next week.

\*\*NORTH ENSTRUTHA—B Davey, Peb. 15: I am pleased to inform you would be a surface of yellow copper from the 100 west. The seems to be undergoing a change. There is nothing new in either of the elements of the other of the elements of the other of the elements of the common of the product of the

PARY'S COPPER CORPORATION.—I. Suitelen, rec. by 90 west, on No. 2 lode, presents a very promising appearance, and the fis producing strong patches of copper ore. We are expecting an imprhere again soon. The rise in back of this level is looking better this will yield a little over 4 tons of ore per fathom. The ground here very kindly. The 90 east of cross-course continues to look well, and

will yield 5 tons of ore per fathom. This place is the which we are now getting the pitches are looking a shade better. The ore which we are now getting of better quality than last month.

PELYN WOOD.—T. H. Bennett, Feb. 15: The east and west lode cut in the case of the property of the

Is of better quality than last month.

Fell.TN WOOD.—T. H. Bennett, Feb. 15: The east and west lode cut in the costean pit, from 20 to 25 fms. beyond our present adit driving on the caunit lode, is I ft. wide, composed of quartz, gossan, mundle, and spots of copper or; bearing about 20<sup>3</sup> north of east and south of west, underlying north from 25<sup>1</sup>, to 3 ft. in 1 fm., and embedded in a good ore bearing strata. We purpose pursue our costeaning south with the expectation of opening on other lode. During the last four weeks we have driven on the caunter 11 fms. 9 in., and again set to the men at 27, 5s. per fathom. This drivage has opened up a beautiful channel of ground, through a lode varying from 1 to 4 ft., of an exceedingly promising character, and consequently at the junction we have god reason to hope for and expect a productive lode.

PENNALLS.—S. Bennetts, R. Harris, Feb. 11: There is not much alterating to notice in either of the 80 ands. The 70 cast end contains a small quantity dinstuff, but not of much value. The driving of the 50 cross-cut north so change has occurred. The 42 west on the north lode is worth 107, her fathom.

PIONEER.—Feb. 15: Silver-Lead Mines, Holywell: In Ressie's shaft the lot still maintains its full value and character as when has reported. In Carrington's shaft the ground has somewhat improved since last report, yielding good paying leadstuff intermixed with fine lumps of grey carbonate. According good paying leadstuff intermixed with fine lumps of grey carbonate. According to instructions four men have been set to drive north to intersect an east salvest lode believed to be only a few yards distant. In Blackwell shaft the oof; change is that the lode has come more together, and more likely to produce of the engage and paying leadstuff intermixed with fine lumps of grey carbonate. According some great and decided improvement. The rise in roof of the 80 is without material alteration. In the 75 we are busy clearing the level at bottom of such and the first in the soule of the or

enging per in the shaft of a in the leave in

9l. pe We at 80l the pe to the remar on the SOU of Bro strong appea We hat the enrich le be see result level a The lo ing que dering reason this le of Bro very of groun-princi-back of level, mundi

> with t the gr sad ni forthe SOU with ti all out SOU making skip re a tram these l caunte a light sected 2 ft. in to be gregard the gremet will lode, at may be in good SOU change whole

the mo

our ful wards and we main redepth, can) th change TAV say we wide, c produc two as

driving of them 1 fm., a 6 ft. wi of tin come in of tin as the 1 ductive ductive lode ha of it has been delivered. We are busy preparing another parcel for next sale.—
Pioneer Copper and Lead Mine, Harlech: The lode has somewhat shrunk in the
forebreast, owing to our having had to cut through a hard bar of ground during
forebreast, week, but it looks now more promising, and about to change for the

ploneer Copyers, owing to our having had to cut through a hard bar of ground during forebrest, owing to to loss now more promising, and about to change for the better.

POLROSE.—W. Bennetts, Feb. 15: The diagonal shaft is now complete to the 100, and I have put four of the shaftmen to drive the 100 west on Margaret lode, and the other four to cut plat and barrow-road in the 100, before changing the pitwork; these two latter operations could not be carried on at the same time, pitwork; these two latter operations could not be carried on at the same time, pitwork in the same time, pitwork; these two latter operations could not be carried on at the same time, pitwork; that first. In the 90, east of north cross-cut, we are still in a channel of ting ground, and the lode is disordered. There is no change to notice in the 90, solve of ditto; the lode continues about 1 ft. wide, producing a little copper ore west of making fair progress with the 70 cross-cut north, and, judging from the dialling, I hope to cut the lode in about a week or ten days.

PRINCE OF WALES.—S. Roberts, G. Rowe, Feb. 15: The lode in the 102, PRINCE OF WALES.—S. Roberts, G. Rowe, Feb. 15: The lode in the 102, par impregnated with sulplur, mundic, and copper ore of a very kindly apparaimpregnated with sulplur, mundic, and copper ore of a very kindly apparaimpregnated with sulplur, mundic, and copper ore of a very kindly apparaimpregnated with sulplur, mundic, and copper ore of a very kindly apparaimpregnated with sulplur, mundic, and copper ore of a very kindly apparaimpregnated with sulplur, mundic, and copper ore of a very kindly apparaimpregnated with sulplur, mundic, and copper ore of a very kindly apparaimpregnated with sulplur, mundic, and copper ore of a very kindly apparaimpregnated with sulplur, mundic, and copper ore of a very kindly apparaimpregnated with sulplur, mundic, and copper ore of a very kindly apparaimpregnated with sulplur, mundic, and copper ore of a very kindly apparaim, and copper in the 50 end cast is improving both in s

in the content of the

saip road will be completed in the engine-shaft this week. We shall commence a tramway in the 55 and 66 fm. levels soon, and also cut. a trip plat at each of these levels.

SOUTH WHEAL CREBOR.—J. Goldsworthy: In the 16, west of north on the caunter, the drivage appears to have passed through the elvan and entered into alight blue killas ground. At this point an east and west lode has been intersected 4 ft. wide, carrying two well-defined walls, with a south underlay about 2 ft. in 6 ft. It is composed of quartz, prian, peach, mundic, white iron, with a mixture of killas, and copper ore. It has not been opened far enough on the course of the east and west lode as yet to allow a correct opinion of the character to be given; the lode is somewhat disordered at the junction of the caunter. I regard this as a most favourable addition to the property. In the 46 cross-cut the ground is becoming easier for progress, and the several veins and branches met with containing copper ore of good quality, with a north dip towards the lode, strengthens my opinion as to the good results on reaching the lode, which may be intersected at almost any day. The machinery throughout the mine is in good order and working well.

SOUTH WHEAL FRANCES.—Charles Craze, Feb 14. There is no particular change throughout the mine since our last meeting calling for remark. On the whole it is looking quite as well, and our returns of the rather beyond what they were any similar period during the last 16 weeks.

TAMAR SILVER LEAD.—R. Goldsworthy, Feb. 18: The lode in the 57 is still looking very promising, producing fine stones of silver-lead; in fact better than I have seen it for the drivage. There is no change in the 27 south since last reported on. We are making good progress in sinking the new shaft, and driving the addition on the south. Tankerville: Releat Consols.—Arthur Waters and Son, Feb. 16: Tankerville: No change worthy of remark has taken place in this mine since our full report of last week. We have today sampled 40 tons of lead ore fo

TaxkerVille: Rochange worthy of remark has taken place in this mine since raile to a find the control of the tweek. We have to-day sampled 40 tons of lead ore for sile on Thursday next.—Pennerley: All the points here are looking just as well as dearribed in last week's report.—Proter's Pit: This shaft is now in first rate tim from top to bottom; the new engine is in full swing winding stuff out of which the mine, and we have a full staff of men clearing the bottom level west to said the ore ground.—Bog Mine: The water is to-day 2½ fms. below the 130, and we have a full staff of men clearing the bottom level west to said the ore ground.—Bog Mine: The water is to-day 2½ fms. below the 130, and the ore ground.—Bog Mine: The water is to-day 2½ fms. below the 130, and the ore ground.—Bog Mine: The water is to-day 2½ fms. below the 130, and the professors broke the column and cut the main rod at this depth, but 41 repredensarily the column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this depth, but 41 repredensarily of the mine to the column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this capability. The column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this capability. The column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this capability of the column and cut the main rod at this capability of the

much pleasure in sending you the following report:—The adit level is driven 5 fms. east on the cross-course, and is now just under Pinnock's shaft. The lode in this end is \$\frac{1}{2}\$ it, wide, and from the ample is took will yield each of the content of the state of the stat

inding there was more tin in the north lode I put the men to take it down lever; the lote is now about it, which and north wait as yet; over this place in the present price of tin.

It will be present price of tin.

It start who worked this part of the mine previously, and which will pay very start which the present price of tin.

It start the present price of tin.

It start the present price of tin.

It start to the No. 2 level, and yesterially commenced to draw stuff for the stamps. I am glad to say everything went you as week ago we have completed the shalt to the No. 2 level, and yesterially commenced to draw stuff for the stamps. I am glad to say everything went you are well as the property of the proper

suns, they bond up in expected, but I believe the results will be very gratifying.

WEST KITTY.—W. Vivian, Feb. 15: In the 72, driving east, the lode is worth 12l. per fathom. In the 60, driving east, the lode is worth 15l. per fathom. The stopes in the bottom of the 60 are worth 5cl. per fathom. In the 50, driving east, the lode is worth 7r. per fathom. In the 50 and 90, driving east, there is no change to report since last week.

WEST LIBBURNE,—W. Northey, Feb. 16: On account of the several lets in our temporary lift of pumps and rods the water is not in fork to the 36, as I anticipated, but I hope to be in a position to fully inspect this point in few days. The timber is on the mine for the erection of shaft-tackle, turn-pulley, and stands, which will be erected without any delay. The Messrs. Williams and Metcalfe promise to deliver the 45-ft. diameter wheel within nine days from this date, which will be erected without any delay. Then the pulley-stands, bots, &c., will be put up, so as to drain the mine by water-power. The engine and pitwork are working well.

WEST PATELEY BRIDGE.—D. Williams, Feb. 16: The lode in the 56 northwest is 2 ft. wide, and producing saving work for dressing. The winze is down 2 fathoms below the level in a lode 2½ ft. wide, and worth 20 cets. of lead ore per fathom. Other poluts are looking well. We have a parcel of lead ore in course of smelting.

WEST POLBREEN.—W. Vivian, Feb. 16: In the cross-cut driving at the 30 course of smelting.

for copper ore. In the 55, west of shaft, the lode 18 z ft. wide, and yiesdan good atoms or copper ors. There is no particular change in any other parts of west on copper fole; the lode in this end is still posming up that well, yields driven west of the cross-cut-mow should a fill posming up that well, yields driven west of the cross-cut-mow should a fill posming up that well yields driving east of the cross-cut-mow should a fill posming up that well possess of the cross-cut-mow should a fill possess of the cross-cut-mow should a fill possess of the cross-cut-mow should be found more productive an depth is a statuted. We are now making preparations for dressing the ore related found wheal Fortune shaft to the deep additional control of the common shall be found more productive an depth is a statuted. We are now making preparations for dressing the ore related by the common shaft to the deep additional control of the common shall be common shal

TRESAVEAN MINES.—The directors, in their monthly letter to the shareholders, announce that tinstift has commenced to be raised from Caddy's lode, in Wheal Boys shaft. The lode is reported to be from 6 ft. to 12 ft. in width, and rich. Eight fair samples of tinstift taken at different levels, down to deep adit, have averaged 50 lbs. of tin to the ton of stuff, equal to 20% per fm. As Caddy's lode is for many fathoms above adit, the company may well be congratulated upon its possession. The 90-in. engine, which will unwater the mine as circumstances require, is approaching completion. We have had occasion previously to refer to the satisfactory system pursued by the directors of keeping the shareholders informed of the progress of the work of re-opening the mines. We advise those shareholders who can do so to accede to the wish of the directors to visit the mines.

EUREKA (NEVADA) SILVER.—A strike of ore is reported this week from the Bald Eagle Mine in connection with the upraise from the 150 ft. level, which is noticed in the letter from our Eureka correspondent "Ruby Hill." When first encountered the seam of ore was spondent " Ruby Hill. about 6 in. wide, and further examination was proceeding; satisfac-tory progress has also been made in the other working parts of the mine, and the mining captain writes that the prospects are better, and thinks he will succeed in making a small shipment of ore shortly.

OLD SHEPHERDS.—It will be seen by the special monthly report from the directors and agents that the tedious and expensive operation of clearing the adits and levels is drawing to a close, and that Capt. Nancarrow expects shortly to effect his communication with the shaft, where the 80-in. engine is being erected. As all miners know, patience is needed while re-opening such mines as Old Shepherds and others of the same magnitude, and further that the cost attending such work is very great. The results, however, as the directors remark in their report, will soon be apparent. In the western ground Capt. Nancarrow reports the fining of a bareh of western ground Capt. Nancarrow reports the finding of a bunch of rich lead, and a sample of it can, we are informed, be seen at the offices of the company. The directors express their desire that shareholders should visit the mines, that they may be able to realise what an amount of work has to be done in order to re-open the mines effec-tually, and ensure their economical working with a view to good and continuous returns.

The Indiarubber, Gutta Percha, and Telegraph Works Company announce a dividend for the past half-year at the rate of 20 per cent. per annum. After adding 25,000% to the reserve fund there remains a balance of 21,000% to be carried forward.

#### TO THE METAL TRADE.

PPER, TIN, LEAD, &c., apply to-MESSRS. PELLY, BOYLE, AND CO., SWORN METAL BROKERS,

ALLHALLOWS CHAMBERS, LOMBARD STREET, LONDON. (ESTABLISHED 1849.)

#### ORFORD NICKEL AND COPPER COMPANY, SMELTERS AND REFINERS OF COPPER.

THOS. J POPE AND BROTHER, AGENTS, 292, PEARL STREET, NEW YORK.

opper Ore, Mattes, or Bu..ion purchased. Advances made on consignments for efining and sale.

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BROKER FOR THE SALE OF PIG-LEAD, LEAD ORES, COPPER ORE, COBALT, MANGANESE, CARBONATE OF BARYTES. ESTABLISHED 1866

#### HENRY NUTT AND CO.,

No 57, BRISTOL ROAD, BIRMINGHAM PURCHASERS OF

LEAD ASHES, LEAD SLAGS, SULPHATE OF LEAD, TIN ASHES, TERNE ASHES, AND ALL REFUSE CON-TAINING TIN AND LEAD.

#### HENRY WIGGIN AND CO. (LATE VANS AND ASKIN),

NICKEL AND COBALT REFINERS, BIRMINGHAM.

#### S. A. EDWARDS AND CO.,

METAL MERCHANTS AND BROKERS.

SOLE AGENTS FOR THE CELEBRATED SWEDISH STEEL, BRANDED "SANDVIK."

### 6, GREAT CHARLES STREET, BIRMINGHAM.

OLD METALS of EVERY DESCRIPTION PURCHASED for CASH.

# The Mining Market: Brices of Metals, Ores, &c

METAL MARKET-LONDON, FEB. 17, 1882.

IRON. £ s. d. £ s. d.	TIN. & s. d. & s. d
Pig, GMB, f.o.b., Clyde 2 9 1	English, ingot, f.o.b116 0 0
, Scotch, all No. 1 2 10 3	bars ,117 0 0
Bars, Welsh, f.o.b. Wales 6 26-6 50	, refined118 0 0
. in London . 6 12 6- 6 15 0	Australian111 0 0-111 10 0
Stafford 7 15 0- 8 5 0	Bancanom
. in Tyne or Tees 6 10 0- 6 15 0	Straits111 0 0-111 10 0
Swedish, London10 0 0-10 10 0	COPPER.
Rails, Welsh, at works 6 26-6 50	Tough cake and ingot. 69 0 0- 70 0 0
B reets, Staff., in London 9 5 0- 9 10 0	Best selected 71 0 0- 72 0 0
lates, ship, in London . 9 7 6- 9 12 6	Sheets and sheathing. 78 0 0- 79 0 0
Hoops, Staff., 8 0 0- 8 5 0	Flat Bottoms 81 0 0- 82 0 0
Nail rods, Staff., in Lon. 7 15 0- 8 0 0	Wallaroonom. 70 0 0
STEEL.	Burra, or P.C.C 70 0 0
English, spring 12 0 0-18 0 0	Other brands nom. 67 0 0- 69 0 0
. cast30 0 0-45 0 0	Chili bars, g.o.b 63 10 0- 63 17 6
Swedish, keg15 0 0	
. fag. ham15 10 0	PHOSPHOR BRONZE.
LEAD.	Alloys I., II., III., and IV £125 0 0
English, pig, common14 15 0-15 0 0	VI. and VII 140 0 0
. L.B	, XI., Spl. bearing metal 117 0 0
. W.B15 10 0-15 15 0	BRASS.
sheet and bar 15 10 0	Wire 7½d
pipe16 0 0	Tubes
red17 10 0- —	Sheets
white21 10 0-23 0 0	
patent shot17 12 6	Yel, met. sheath. & sheets 6 1/4d71/4
Spanish	TIN-PLATES.* per box.
NICKEL.	Charcoal, 1st quality 1 3 0- 1 4 0
Metal, per cwt	, 2nd quality 1 2 0- 1 3 0
Ore, 10 per cent. per ton.20 0 0-25 0 0	Coke, 1st quality 0 19 0- 1 0 0
QUICKSILVER.	2nd quality 0 18 0- 0 19 0
Flasks, 75 lbs., war 6 0 0	,, 2nd quality 0 18 0- 0 19 0 Blackper ton 15 19 0-
SPELTER.	Comada Staff or Cla 1
Bilesian17 C 0-17 10 0	at Liverpool
English, Swansea 17 15 0	Black Taggers, 450 of )
Sheet zine21 15 0	14 × 10
	less for ordinary; 10s. per ton less for
At the works, is, to is, ou. per box	less for ordinary; 10s, per ton less for

Canada; IX 6s. per box more than IC quoted above, and add 6s. for each X. Terne-plates 2s. per box below tin-plates of similar brands.

- Notwithstanding occasional fluctuations, which at times predominate in our markets, and which necessarily must produce a proportionate mischievous bearing upon the trade generally, yet in giving due weight to all the various circumstances, both in duce a proportionate mischievous bearing upon the trade generally, yet in giving due weight to all the various circumstances, both in favour of and against the several markets at the present time, it must be still acknowledged that although the demand just now for some metals is perhaps rather restricted, and prices, in consequence, have here and there assumed an easier tendency, yet the state of the trade, taken on the whole, is good; what is doing appears to be principally for legitimate account, and as prices recede business appears to develope. Too much importance is often a batached to the sundry movements of prices caused from speculation, and too often a hasty conclusion is arrived at that because prices recede that that is a criterion that trade is likely to be bad, but it does not require many remarks to prove the faliacy of such an opinion. According to the manner in which operators view the future of the markets so they buy or sell, and prices for the raw material are accordingly influenced. It is true that the prospects of trade is perhaps about the chief event whereby speculative transactions, either for the rise or fall, are regulated; but it is not the sole cause to affect speculative business. Political, monetary, and agricultural affairs have all their bearings upon the markets, some in a greater others in a lesser degree, but nevertheless all in a measure affecting the actual amount of business doing at the present time for sp. culative account. It is not necessary now to show how those various ing, they are points which cannot be altogether disregarded for the course which they are taking either gives confidence to or unrerves operators, and prices are thereby determined.

It may, however, be argued that these are events which can only fulluence such metals in which speculation exists, and as there is comparatively apsaking

ing, they are points when cannot be mogener uniterated and prices are thereby determined.

It may, however, be argued that these are events which can only influence such metals in which speculation exists, and as there is comparatively speaking very little speculation in manufactured metals if prices for the latter move it must be the result of bona fide trade. Undoubtedly this is invariably the case, but not always necessarily so; prices are often in great measure governed by those ruling for the raw material, and if they rise or fall it will generally be found that they are merely following the tendency of the markets for the raw material. Buyers would, therefore, probably do well not to be too confident that because prices have this week been easier that they are likely to recode to any material extent, as when so much speculative interest exists a rebound may at any time occur, and it is quite impossible to forsee how far it would be carried. The fact should not be overlooked that for the most part prices are extremely moderate; and, therefore, on this account instead of there being any impediment placed upon trade there is good reason to expect its further growth and expansion. Heavy stocks may injuriously affect the demand for speculation, and have an uniavourable influence upon prices, but they cannot produce any lengthened detrimental result upon the regular demand. We say lengthened advisedly, for elselers, consumers, and shippers may in seeing stocks augment hold aloof from the markets for awhile in the hope of buying cheaper later on by so doing. But there must soon come an end to this policy, for with the repeatedly increasing requirements of the trade the longer purchases are delayed now the greater they must be hereafter, and as prices now recede so we may expect a proportionate increase in the demand, especially as the winter quarter is fast drawing to a close, and the spring shipments will doubtless shortly begin. winter quarter is fast drawing to a close, and the spring shipments will doubt-ess shortly begin.

COPPER.—The market this week has again assumed a drooping

tendency, and business has to be recorded at reduced rates, alth it is somewhat difficult to discover the actual cause of the retro-gressive movements which have been made. It may, perhaps, be attributed to the fact that just lately bona fide business has not been attributed to the fact that just lately bona jide business has not been quite so brisk as could be desired, and in consequence speculators have not been so willing to continue to effect purchases. The small deliveries, as seen by statistics, seem to be the weakest point of the market. Nevertheless with the reduced prices ruling there is reason to hope that the deliveries will soon increase, and be further augmented by the quietude which has lately

existed in the regular demand; at all events it is worthy of note that already, the cheaper value of this metal has already, to some extent, stimulated buying, and if further concessions are made in price a still greater development may reasonably be anticipated in the demand.

With regard to Chill bars, there has been a very fair business doing this week, but sales have been rather pressed, which, perhaps, is somewhat surprising, considering that the charters from Chill were announced at the early part of the week as only 900 tons for the first half of this month. So small a quantity, we should have thought, might have encouraged buying, and given strength to the market; but the price at Valparaiso being reported lower it has destroyed any favourable influence which may have occurred through the light charter, and the tone has, instead of being more cheerful, kept dull, and at times rather depressed. On first sight it may possibly be thought that the market is not likely to be favourably affected by the light charter advised on Monday last, as the charters in January were so particularly heavy, but yet it must be remembered that for the heavy charters for last month there has already been a serious fall in price, so that now a light charter has been announced a rally apparently ought to have taken place. The bi-monthly returns of Chili produce, published on the 15th inst., show the imports during the first fortnight of the month to have been 230 tons, and the deliveries 393 tons, making the stock in first and second hands in Liverpool and Swansea 24,348 tons, against 25,511 tons on the 33stuit. The imports of other kinds of copper from the lat to the 15th inst. were 103 tons, and the deliveries 104 tons. The total imports last month were 6462 tons, against 490 tons for the same time in 1881, and 5550 tons in 1880, while the exports for the similar periods were 4293 tons, against 4970 tons in 1881, and 4133 tons in 1880.

However, the content of the month of the month of the month were 6462 tons. The demand for

ns in 1880. N.—The demand for the raw and manufactured material has continued to assume somewhat limited dimensions, and prices are mostly a shade easier. There is not, however, any material change in any branch of the trade, and it is satisfactory to see that, accordin any branch of the trade, and it is satisfactory to see that, according to reports which come to hand, there is reason to anticipate that the recent threatened strikes, both in the North of England and Staffordshire, which have so disturbed the trade, are now apparently fast drawing to a close, the masters having resolved to comply with the wishes of the men, and grant their requests for an increase in wages. This determination proves that there is hardly likely to be any material fall in prices, and it in a measure testifies that the trade must be in a fairly sound condition that masters must hold numerous contracts, and, therefore, would be put to great inconvenience if strikes took place, or they expect a continuance of a sufficient number of orders at the present rates, which enables them to pay the advanced wages, otherwise they would scarcely have made any alteration in the wages scale. This, then, is a satisfactory feature, and dispels the idea that any great reduction is at all likely to be speedily made in prices, and although at times some few concessions may be made to obtain good specifications, yet purchasers will probably not be able to secure their iron upon terms more advantageous than those now ruling.

few concessions may be made to obtain good specifications, yet purchasers win probably not be able to secure their iron upon terms more advantageous than those now ruling.

It may be urged that orders of late have not been very plentiful, and that the briskness which has been reported at the various manufacturing centres has been caused almost solely though the large and plentiful orders which were received during the last few months of last year, but even supposing this to have been the case, there is nothing in that to expect that future orders will be limited. On the contrary, if orders have not been so large or numerous as could be desired during the past month or so, then there is the more cause for expectation that they will shortly increase, and this idea is further confirmed not only by sellers but also by buyers, who do not hesitate to make purchases when the slightest reduction can be obtained off of the general quotations. A favourable feature in connection with the trade at the present time is the continued encouraging advices which come from America. The report this week shows that the market at New York is steady, and that business is good in nearly all its branches, while prices are for the most part well sustained. Scotch plays are said to be selling well, and the present price for No. 1 Gartsherrie is \$25°50; Glengarnock, \$25°50; and for Coltness \$28°50; and Eglinton \$24°50. The report from Sheffield states that a steady improvement is visible in nearly all the branches of the trade, and the demand for railway material keeps very brisk. Both in the raw and manufactured material there is a fair business doing with the United States, and in comparing the value of the exports for last month as seen by the Board of Trade Returns, with those for January, 1380, the comparisons will be found to be very favourable.

The Wolverhampton market is reported strong, owing to the concessions made

factured material there is a fair business doing with the United States, and in comparing the value of the exports for last month as seen by the Board of Trade Returns, with those for January, 1830, the comparisons will be found to be very favourable.

The Wolverhampton market is reported strong, owing to the concessions made to the men for higher wages, but there does not appear to have been any improvement in the demand, which has continued of a rather limited character, notwithstanding that sellers have been ather pressing for specifications. Plates are said to be 4s. dearer, and latten sheets 6s. higher, and some firms are withdrawing previous quotations. There is but a small enquiry for plag, which are easy in price. Upon the Birmingham market transactions are said to have been somewhat limited, but prices are quoted somewhat higher, and where orders have been placed there has been less hesitation on the part of buyers to pay the advanced rates. The demand for general merchant fron is decidedly slack, but for sheets, however, there is a steady enquiry. Consumers' requirements are thought to be urgent, so that if manufacturers keep united it is expected that there will no difficulty experienced in maintaining prices.

The Cleveland market is reported very quiet and somewhat unsettled, while less confidence is expressed in the future of the trade. Quotations for No. 3 rule at about 41s. 9d., with the usual difference for No. 4, for sharp delivery, and about 3d. more is asked for forward prompts. Warrants are without much change, and are held for 42s. for No. 3. The shipments last week were 15,600 tons, whilst it is satisfactory to note that the stock in Messrs. Connal and Co.'s stores last week was further reduced by 186 tons, and now amounts to 172,531 tons. The manufactured trade is without any new feature, bars and angles continuing to rule at 6d. 12s. 6d., and ship-plates at 7d. 5s. The arrangement which was come to some short time ago between the Soctch and Cleveland ions, while the steriled has another

week, yet there is no very material change in the actual state of the market. It is a market in which 'so much animation exists that an active business is invariably done, whether the tendency of prices is towards dearer or cheaper rates. There is not very much importance active business is invariably done, whether the tendency of prices is towards dearer or cheaper rates. There is not very much importance attached to slight movements, such as 20s. or 30s., which may occur in the price, so that the reduced rates of the week fall to shake confidence, or give any material hope to buyers of being able to purchase at any further great drop, and in such a sensitive market, in which the future course is attended with so great uncertainty, consumers wisely make their purchases as their requirements no-cessitate. It is a satisfactory sign to see that according to the last statistics deliveries are maintained upon a fairly extensive scale, as it shows that irrespective of the large number of transactions carried through for speculative account, there is also a good business doing to meet the regular requirements of the trade.

SPELTER.—The market has been flat this week, and the nearest quotations are 171. to 171. 5s. for ordinary, and 171. 10s. to 171. 15s. for special brands.

for special brands. LEAD is rather steadier at 14l. 10s. to 14l. 15s. for Spanish, and 14l. 15s. to 15l. for English.

STEEL .- This market remains steady as regards price, and the de-TIN-PLATES, -A moderate business is doing, but without change

QUICKSILVER .- Market quiet, without feature.

The settlement of the usual fortnightly accounts has occupied the chief attention of the dealers in the MINING SHARE MARKET this week, and with a few exceptions, prices rule lower, particularly for

tin shares. mostly dealt in have included South Frances. Dolcoath. Wheal Grenville, Wheal Crebor, East Blue Hills, D'Eresby Mountain, East Pool, West Crebor, West Caradon, Bratsberg, Wheal Agar,

Wheal Peevor, and a few others.

Tin has been rather firmer, and no alteration has taken place in the standard for ores in Cornwall since Jan. 28. shares are quoted lower, and very little business has been done in them. Blue Hills,  $1\frac{3}{4}$  to  $2\frac{1}{4}$ ; Carn Brea, 20 to  $22\frac{1}{4}$ ; Cook's Kitchen, 28 to 30; Dolcoaths have declined to 79, and leave off 80 to  $82\frac{1}{2}$ ; East Blue Hills, 11s, to 13s; East Lovell, 2 to 3. East Pool, 451 to 464;

Condurrow, 9 to 9½; New Kitty, 2½ to 2½; Phenix, 3 to 3½; South Condurrow, 9 to 9½; South Francis, 14½ to 15; Tincroft, 16 to 17.

West Basset, 13½ to 14½; West Frances, 11 to 12; West Kitty, 8½ to 8½; West Peevor, 14 to 14½; Wheal Agar, 11½ to 12½; Wheal Bassett, 5 to 5½; Wheal Grenville, 11 to 11½; at the meeting, particulars of which will be found in another column, the accounts to which we referred last week ways spanited and ressed and a diviwhich we referred last week were submitted and passed, and a dividend of 7s. 6d. per share (2250l.) declared. Wheal Jane, ¾ to 1; the sales of tin for six weeks (Jan. 11 to Feb. 10) were 20 tons, realising 1219l., although the calciners were under repair. Wheal Jewell, \(\frac{1}{2}\) to \(\frac{1}{2}\); Wheal Peevor, 10 to 10\(\frac{1}{2}\); Wheal Uny, 3 to 3\(\frac{1}{2}\); Botallack, 5 to 6; at the meeting in Cornwall the accounts showed a loss on three months' working of 448l., and a balance against the mine of 2291l.; a call of 1l. per share was made. West Policen, 1\(\frac{1}{2}\) to 1\(\frac{3}{2}\); Wheal

Coates, 10s. to 15s.; Wheal Coit, 30s. to 40s.; Drakewalls, 10s. to 12s. 6d.; Goodevere, 1 to 1½; Kit Hill, § to ½; West Phoenix, 1 to 1½; Copper.—Not much change here, and very little doing in shape. PER.—Not much change here, and very little doing in she for the most part, have merely nominal quotations. Bed which, for the most part, have merely nominal quotations. Bediend United, 1 to 1½; Carnarvon Copper, \( \frac{1}{8} \) to \( \frac{3}{8} \); Devon Great Conset, \( 7\frac{1}{2} \) to 8. Devon Friendship, \( \frac{1}{2} \) to \( \frac{3}{8} \); the 30 east improves, and in a rise just begun in the back of the 30 the lode is worth 1½ ton of copper ore and 6 tons of arsenical mundic per fathom; they sell this week \( \frac{1}{2} \) tons of tin. Gawkon, \( \frac{1}{2} \) to \( \frac{3}{2} \); Gunnislake (Clitteria), \( 2\text{to 3} \); Hingston Down \( \frac{1}{2} \) to \( \frac{1}{2} \); Mellanear, \( 4\frac{1}{2} \) to \( 4\frac{1}{2} \); Marke Yalley, 12s. 6d. to 17s. 6d.; Morfa Du, \( \frac{1}{2} \) to \( \frac{1}{4} \); Mona, \( 6\frac{1}{2} \) to \( 7\frac{1}{2} \); New Wess Caradon, 4s. to 6s.; Parys Copper, \( \frac{1}{2} \) to \( \frac{1}{2} \). Prince of Wales, \( \frac{1}{2} \) to \( 10 \); to 10s. to 10s.; West for the month, 2 tons, realised 125l., and the sampling of copper ore is 60 tons of good quality ore. West Caradon, 10s. to 10s.; West Crebor, 3s. to 5s.; West Seton, 14 to 15; West Tolgus, 20 to \( 2\trac{1}{2} \). Wheal Crebors have been largely dealt in, the low price and the base approach of the lode at the 130 having attracted a good many buyers; they leave off 2\frac{3}{2} \) to 2\frac{3}{2}.

At South Caradon meeting the accounts showed a profit on the the quarter of 31l., and a credit balance of 1783l. The copper ore sold realised 6768l. The agent stated that the mine was looking a usual, but required more capital to keep up even present returns; \( \frac{1}{2} \) was, therefore, resolved to add a large extension of ground to the sett, and form the mine was looking and the part of t

usual, but required more capital to keep up to find a first was, therefore, resolved to add a large extension of ground to the sett, and form the mine into a limited company, in 100,000 shares of 1t. each, the present holders to have 50 of them fully paid up for 1-512th share now held. New Cook's Kitchen, 31 to 4; East Ca

LEAD has been firmer at a small advance upon last week, and one or two lead mines have been in moderate demand. Vans are quoted 7½ to 8; Great Laxey. 17 to 18. Roman Gravels, 9¾ to 10½ the sale of ore (200 tons) realised 9l. 13s. per ton = 1930l. Tanker. the sale of ore (200 tons) realised 94. 138, per ton=-1304. Tanker-ville Consols, 4s. to 6s. Pennerley is said to look well, and Tanker-ville has sampled 40 tons of lead ore. East Roman Gravels, 15s. to 20s.; the stope in the bottom of the 109 is worth 3 tons of lead ore per fathom. Winze below the 86 is worth 2 tons. The sale of lead (40 tons) and 20 tons of blende realised 4234. D'Eresby Mountain, 1½ to 1½; the lode in No. 5 level end south has improved to 5 tons of lead ore per fathom, and soon a communication will be real-

per fathom. Winze below the 86 is worth 2 tons. The sale of lead (40 tons) and 20 tons of blende realised 423l. D'Eresby Mountain, 1½ to 1½; the lode in No. 5 level end south has improved to 5 tons of lead ore per fathom, and soon a communication will be made between No. 5 and No. 6 in the lead ground, the latter being 15 fms. deeper than No. 5. Gwydwr Amalgamated, 10s. to 15s.; the prospects here are materially improving. Herodsfoot, ½ to ½; the sales of lead ore for two months amount to 75 tons—30 tons at 17l. 15s. 6d. per ton and 45 tons at 5l. 11s. per ton. The mine is said to be looking much better. Great Holways, 5 to 5½; 30 tons of lead sold yesterday for 11l. 19s. per ton=358l. 10s., the assay being 82½ per cent. of lead and 14 ozs. of silver. Crosswood, ½ to 1½; Frongoch, 2½ to 3. Grogwinion, 2 to 3; has sampled 50 tons of lead ore. Grogwinion, 1½ to 1½; Ystwith, ½ to ½; Bulch. 1½ to 2; Goddard's Lead, 1 to 1½; Leadhills, 2 to 2½; North D'Eresby, ½ to ½; South Darren, 1 to 1½; Yan Consols, ½ to ½; West Holway, 1½ to 1½; West Lisburne, 1½ to 1½; Sinclair Lead, 1 to 1½.

FOREIGN MINES.—Akankoo, ½ to ½; Anglo-African Diamond, 7½ to 8½; Broadway, 6½ to 6½; Canadian Copper and Sulphur, 1½ to 1½; Chile Gold, ½ to ½; Colar Gold, ½ to ½; Cotacovil, ½ to ½; Indian Censolidated, ½ to ½; Colar Gold, ½ to ½; Cotacovil, ½ to ½; Indian Consolidated, ½ to ½; Indian Phonix, ½ to 1; Indian Trevelyan, ½ to 3. La Plata, 2½ to 2½; the 30th [consecutive monthly dividend (12 per cent. per annum), out of January, profits will be paid on Wednesday, March 1. Mysore, 1 to 1½; Mysore Reef, ½ to ½; Coregum, ½ to ½; Rhodes Reef, ½ to ½; South Indian, 1 to 1½; Tambracherry, ½ to ½; Rhodes Reef, ½ to ½; South Indian, 1 to 1½; Tambracherry, ½ to ½; Rhodes Reef, ½ to ½; South Indian, 1 to 1½; Tambracherry, ½ to ½; Rhodes Reef, ½ to ½; South Indian, 1 to 1½; Tambracherry, ½ to ½; Rhodes Reef, ½ to ½; South Indian, 1 to 1½; the different places in operation being worth in the aggregate about 250l. per fathom, and several other points wi

January, 86000; remittance, 82000. Kapanga, ½ to ½; the mail delivered during the month has brought encouraging particulars of the developments in both lodes. Santa Barbara advices show a profit of 5241. 7s. 3d. for the month of December, in addition to 2941. 18s. 3d. 5241. 7s. 3d. for the month of December, in addition to 2941. 1ss. 3d. expended on capital account. Michipicoten, 1 to  $1\frac{1}{8}$ ; a telegram bringing news from the mine to Jan. 13 has been received. At that date very satisfactory progress had been made, both at surface and underground. Placerville, 1 to  $1\frac{1}{8}$ : clean up for the month 85000. Gold (Run, 1 to  $1\frac{1}{8}$ ; Cape Copper, 46 to 48; Colorado,  $1\frac{1}{8}$  to  $2\frac{1}{8}$ ; Copiapo, 3 to  $3\frac{1}{8}$ ; Emma,  $2\frac{1}{8}$  to  $2\frac{3}{8}$ ; English Australian,  $\frac{1}{8}$  to  $\frac{3}{8}$ ; Frontino and Bolivia,  $2\frac{3}{8}$  to  $3\frac{1}{8}$ ; Mysore Reef,  $\frac{1}{8}$  to  $\frac{3}{8}$ ; New Quebrada,  $\frac{1}{8}$  to  $4\frac{3}{8}$ ; Nouveau Monde,  $\frac{1}{8}$  to  $\frac{1}{8}$ ; Panulcillo,  $5\frac{1}{8}$  to  $5\frac{1}{8}$ ; Richmond,  $\frac{1}{8}$  to  $10\frac{1}{8}$ ; Ruby, 2 to  $2\frac{1}{8}$ ; St. John dol Rey, 185 to 195; Tocopilla,  $\frac{3}{8}$  to 1; Tolima,  $3\frac{1}{8}$  to  $3\frac{3}{8}$ ; Wentworth,  $\frac{3}{8}$  to  $\frac{3}{8}$ ; South East Wynaad, 1 to  $1\frac{1}{8}$ : Wynaad Peiseverance,  $\frac{3}{8}$  to 1.

The Market for Mine Shares on the Stock Exchange has been very limited throughout the week, although in some particular shares numerous transactions have taken place. Metals generally are decidedly weaker, and copper and tin to the extent of 10s. or 1l., and lead about 5s., but the amount of business done at the lower prices lead about 5s., but the amount of business done at the lower prices has not been large, owing to the general opinion of holders that the dulness is but temporary; therefore, they do not press sales. South Caradon is to be converted into a limited company, with 100,000 shares of 1l. each, and the advantages of Limited Liability over the Cost-book System are so obvious that the shareholders may be congratulated upon the course, they propose to adopt. If a competent and energetic London manager be appointed there can be no doubt that the shares will be much more readily marketable, and will command a higher value. The market generally closes this evening with much stronger feeling.

much stronger feeling.

In Indian gold mine shares there has again been a fair amount of business, and prices are somewhat higher. In the case of Gibb In Indian gold mine shares there has again been a fair amount of business, and prices are somewhat higher. In the case of Gibb against the Great Southern Mysore Gold Mining Company, Mr. Justice Manisty has decided that where a promoter adds 13,000% to the real purchase price of 32,000% and states that 45,000%, is the purchase money to be paid by the company, it is such a misrepresentation that applicants for shares upon discovering the discrepancy are entitled to a rescission of the contract, and the return to them of the amount subscribed. It has for some time past been customary for prospectures to state on the face of them that the yender is the the amount subscribed. It has for some time past been customary for prospectuses to state on the face of them that the vendor is the promoter, and has fixed the price to be paid by the company. It would be worth while testing whether in that case the difference between the price at which the property is purchased and that at which it is sold to the company would be treated as promoters loading, and warrant an application for return of subscriptions. The Great Southern Mysore at once gave notice of their intention to The Great Southern Mysore at once gave notice of their intention to

appeal, and time was granted for that purpose.

The Oregum Gold Mining Company have received conclusive evidence by the last mail that the rumours of the 40 ozs. of gold not having been obtained from their mine is groundless. The secretary has shown us the formal legalised affidavits referred to in his letter

in another column. Indian Gold Mine shareholders may at last be congratulated that some Indian gold will shortly be on its way to England. The patience of many of these gentlemen having become exhausted in onsequence of no remittances having been received from the min and of the small contents of gold reported in the reefs, a formal application has been made to her Majesty's Secretary of State on behalf plication has been made to her Majesty's Secretary of State on of the Cherambadi and other companies to permit a fine spec of Indian quartz showing several ounces of visible gold, and which has be many years exhibited in the Calcutta Museum, to be temporarily transfer South Kensington, in order that impatient shareholders may have demotive evidence that gold is not entirely absent in the Wymad. The stone it have been obtained from Wright's level. In connection with gold extan important discovery has been made by Mr. C. F. Bray, the late mans the Great Southern Mysore Company, and is referred to in another of He has ascertained that 0'01 per cent. of 2240 lbs. is 3 ozs. 5 dwts. 8 grs.: previously been calculated at 3'55 ozs., or 3 ozs. 11 dwts. 16 grs. By list into calculate a percentage Mr. Bray has done much to throw discredit out

ess which with proper management would without question have permitted 3½ ass of gold to be extracted from each ton of Indian reof stone treated by it, and the promoters of the Dulcamara Company will have a good cause of action and the promoters of the Dulcamara Company will have a good cause of action against pay the 50 per cent. dividends for the current year on the aggregate them to pay the 50 per cent. dividends for the current year on the aggregate capital of the companies adopting the Dulcamara process.

Dolcoath, 75 to 80, have had a great fall from the highest point, owing, it is said, to dissatisfaction being expressed that the merchants' bills remain so many months unpaid, which, if it be the fact, is sarely contrary to the true Cost-book System so much boasted of in the county of Cornwall, and the wonder is that shareholders attending the last meeting, knowing this state of things, should allow it, and see in consequence so great a depreciation in the market value of their property. There are other tin mines, it is said, also managed on the same system; and a shareholder, writing this week on the of their property, and a shareholder, writing this week on the subject, desires to know "how long this disreputable state of things

is to last 1 South Devon United shares have advanced to 11, 11 since the meeting of shareholders last week, and are likely, it is said, to have a further rise owing to the improvements at the mines and of meetng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries of copper ores, as alluded to ng shortly with important discoveries or copper or coppe

in value, as the returns of copper ore and arsenic are increasing. The sampling of copper ore, and for sale next week, is nearly 1000 tons for the month's produce.

Devon Great United, \$\frac{4}{2}\$ to \$1\$; good copper ore and mundic is now being obtained from the bottom levels.

Kit Hill United, \$\frac{3}{4}\$ to \$\frac{1}{6}\$; some rich tin ore is now being met with

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has issued a circular, accompanied by a very favourable report of Mr. Moses Bawden on the operations now being carried on (which report will be found in another column). The sale of nearly 20 tons of tin this week realised 674. 10s. per ton, or in amount 13471. 19s. 7d., idered highly satisfactory

South Devon United sampled on Monday last 320 tons of good

south Devon United sampled on Monday last 320 tons of good quality copper ore.
Walkham United, 1 to 1\frac{1}{4}; the mines are reported as looking well. The lode in the eastern mine is improving, being now valued at 14\ell. per fathom, and a promising point is being opened upon in the western sett. The stamps on both sides of the river are kept going, and another parcel of tin is being prepared for market.

La Plata, 2\frac{1}{3} to 2\frac{3}{3}; the news from America show a maintenance of the prosperity already reported. The directors, at their meeting in New York on Thursday, resolved to appropriate \$20,000 out of the January profit to the payment of the thirtieth consecutive monthly dividend at the increased rate of 12 per cent. per annum.

the January profit to the payment of the thirtieth consecutive monthly dividend at the increased rate of 12 per cent. per annum, which will be paid on March 1 to all shares on the London register on Wednesday next. The smelting statement for the week ended Feb. 11 shows—Ore smelted, 1108 tons; silver produced, 18,348 ozs.; lead produced, 124 tons. Value of consignments equal to 6250%. Olathe, ½ to ½; the strongest adverse comments concerning this company's property are published in the Leadville papers, with scarcely an exception, the tenor of the remarks being that the reports which have been published in England concerning it are not justified by facts, and that it is not the desire of those resident in the district that British capital should be invested in any Leadville

the district that British capital should be invested in any Leadville enterprise, which must result in disappointment, and thus prevent the support of the many Leadville mines capable of returning good

profits.

Richmond, 10, 10½ x.d.; the usual telegram from the mines at Eureka, Nevada, state that the week's run was (from one furnace) \$19,000 from 420 tons of ore. During the week the refinery produced doré bars to the value of \$35,000. The return for the week ending Jan. 24 was cabled over by mistake as \$31,000 instead of \$37,000 (the exact return being \$37,265). With reference to the disputes with the Eureka Company the directors have received a telegram stating that everything is settled, and the money paid The report of the assistant superintendent will be found in another column.

Ruby and Dunderberg,  $2\frac{1}{8}$  to  $2\frac{3}{8}$ ; new shares,  $1\frac{1}{4}$  to  $1\frac{1}{2}$ ; the report and bundererg, 2g to 2g; new snares, 1g to 1g; the report from the mines show the usual work being done in the Dunder-berg and Atlas Mine, and the prospects generally are favourable. At the meeting on Monday the proposals of the directors for a new capital were favour-ably received and adopted. The applications from the shareholders for the new shares are, it is stated, coming in rapidly, and it is anticipated will more than absorb the total amount effered.

Birdseye Creek,  $1\frac{1}{2}$  to  $1\frac{\pi}{4}$ ; a telegram received during the week anounces a clean up at the Red Dog claim, and a remittance of \$2000.

Nounces a clean up at the Red Dog claim, and a remittance of \$2000. Yuba River, par to \( \frac{1}{2} \) prem.; heavy snowstorms have prevented a continuance of washings at this mine.

Placerville, 1 to 1\( \frac{1}{6} \); the clean-up for the month is announced by cable as \$3000. Messrs. John Taylor and Sons, of Queen-street-place, have been appointed London managers of this company.

Kapanga, \( \frac{1}{2} \) to \( \frac{3}{6} \); the usual monthly report will be found in another column. Since it was mailed from New Zealand gold had been most with in Society's lode at the 50 and in Kapanga lode at

been met with in Scotty's lode at the 50 and in Kapanga lode at

Michipicoten, 1 to 1½; a cheering telegram has come to hand, bringing news from the island to Jan. 13. At that date the second engine was at work, and a third ready to start, while good progress was being made in the erection of the dressing-floors, the weather being mild and open. In the underground department there was no change to report, and this may be considered as entirely satis-

factory.

In the leading Lead Mine shares there has been a good demand this week, especially for such as Great Laxey, Minera, Roman Gravels, Van, Leadhills, Tankerville Great Consols, and several others; so that with only a moderate rise in the price of lead there may be soon an active demand for shares set in with a considerable advance in prices. Pig-lead is thought likely soon to have a great rise, as the demand is increasing and supply decreasing.

Van, 7½ to 8½; the ends in the main lode remain as last reported. At the Van Hill portion of the sett the cross-cut is now 13 ft. through a very fine lode, and the south wall not yet met with.

Roman Gravels, 10 to 10½, and reported in demand; the sale of 200 tons of lead ore on Thursday last realised 1930?. The 65 end has improved to about 100?, per fathom.

Leadhills, 2½ to 2½; the mine on Browne lode is opening out well.

has improved to about 100*l*. per fathom.

Leadhills, 2\frac{1}{2}\$ to 2\frac{1}{2}\$; the mine on Browne lode is opening out well. The Lake Superior Copper Mining Company's list of applications for shares closed last night. It is stated that the board will meet on Monday to allot the shares. A telegram has been received to the effect that Mr. Ingall, writing from the mines on Feb. 2, states that all operations are progressing satisfactorily. The weather is fine and favourable for outside work. No. 1 shaft turning out stronger copper; more shot, less leaf. No. 2, no change.

The Ontario Silver regular (75th) monthly dividend of 50 cents

The Ontario Silver regular (76th) monthly dividend of 50 cents there is a fine course of ore, (2s.) per share has been declared for January, and is now payable at new lode at 50 fathoms deep. office of Messrs. Eires and Allen, Cannon street, on all stock

registered in England.

The Queen Hotel, Harrogate, which was constituted as a limited company in 1881, and took over the business from July 1, has just declared an interim dividend for the six months ended December at the rate of 8 per cent. per annum. It is scarcely necessary to state that the Queen Hotel is the most fashionable in that celebrated watering-large. In Martie that the Pull th

that the Queen Hotel is the most fashionable in that celebrated watering-place. Dr. Myrtle, the well-known physician of Harrogate, has joined the board of direction.

The Appolonia Gold Mining Syndicate have engaged Mr. Dahse, late manager of the Effuenta Gold Mining Company, and he has just left England, together with an experienced Californian gold miner, Mr. Walkden, to throroughly explore the kingdom of Appolonia for gold unining purposes on behalf of the company. The secretary also announces that Mr. S. W. Cairns, a director of the Effuenta Company, has joined the board.

Ilenewed attention was directed to the auriferous resources of Nova Scotia in the Mining Journal of Jan. 7, by the notice of the robbery of two magnificent specimens of gold quartz from the Provincial Museum at Halifax, when it was stated that they contained about 54 o.s. of gold, and that Australian and Californian gold miners had expressed the opinion that nothing like them had been willed.

seen. These specimens were obtained from the Oldham gold mines, and in a recent report from Mr. Edwin Gilpin, the Government Mine Inspector for the Province, states that the work, so far as it has been carried proves that the district promises to be one of unusual richness. It seems that the missing specimens are not the only rich ones obtainable in Nova Scotia, for although Dr. Honeyman's anticipation that they would find their way to England has not been realised, some really fine specimens of gold from another—the Carlbou—district have just been brought to England by Mr. Touquay, one of the doctor's friends. The principal is a clean grey stone, about 2 in. square; it apparently comes from a vein about an inch thick, and shows visible gold in large proportions; other specimens show visible gold in smaller quanties, and it appears also to occur in quartz boulders. The district is about six miles south of Musquodoboit river, and between 30 and 40 miles from Shubenacadie station. Working has been carried on intermittently since 1867, and several lodes have paid well for a short time—the north, flat, cross, which at one time gave 20 czs. to the ton, and Hyde lodes among the number. In 1874 a lode 1 ft. thick was formed which in six months yielded nearly 1200 czs. from a stope of 40 ft., and within a depth of 120 ft., but like all the Nova Scotian lodes it soon gave out, and now produces nothing worth consideration. Mr. Touquay, it appears, starts that his workings are stopped because the water is too fast for his hand pump, but if anything like the specimens brought over is obtaining a more powerful machine. Hitherto the Nova Scotian gold deposits have proved lean and disappointing, and although in some cases the discovery of a rich string of quartz has been utilised as an opportunity for selling a property for a few thousand pounds no permanently rich veins have yet been found. Systematic prospecting and operations on the tribute system over large areas can alone prove remuerative. These specimens were obtained from the Oldham gold mines,

ing and operations on the tribute system over large areas can alone provided mucrative.

The Huntington Copper and Sulphur Company's reports from Capt. Nance (who went from this country some months ago to take charge of this company's mine) are so favourable with regard to the extent of the copper ore deposits that the directors have concluded contracts for frock boring machines, with all the necessary plant. This will enable the company to prosecute operations vigorously, and thereby obtain a much graater and more rapid output than is possible under the present system of working.

At the Santa Cruz Sulphur and Copper Company extraordinary general meeting yesterday (Sir F. C. Knowles, Bart., in the chair), the resolution to wind up the company was confirmed. Col. W. M. Cochrane and P. Carnegy were appointed liquidators.

The Mysore Reefs Company's offices have been removed to Bishopsgate-street, and Mr. Hugh W. Tulloch has been appointed secretary in place of Mr. R. Hodson, deceased.

and Mr. Hugh W. Tulloch has been appointed secretary in place of some Hodson, deceased.

The Peruvian Bondholders' Committee have received a telegram from Mr. Proceeding the effect that the Chilian Government have revoked the decree of Mar. 2, 1830, and have issued a fresh decree declaring that they have determined to sell the guano themselves, and will divide the proceeds arising from the sales with the creditors of Peru having a charge upon the guano; that they will refer the question of priorities to arbitration to decide which creditors have a special hypothecation of the guano, the arbitrators to be appointed by the creditors.

creditors.

The New York Pennsylvanian and Ohio Railroad Company announce the payment on and after Mar. 1 of the coupons due on that date on the 6 per cent. Prior Lien Bonds at the offices of the London agency, and at the Farmers' Loan and Trust Company, New York. The estimated traffic receipts for the fourth week in January amount to \$103,426, against \$117,626, showing an estimated decrease of \$3200; and for the first week in February \$102,951, against \$94,304 last year, showing an estimated increase of \$1847.

GAS SHARES.—The principal business in these shares, according to this evening's report of Messrs. W. L. Webb and Co., of the Stock Exchange and Finch-lane, has been—Bombay (Limited), 5½; British, 3½; Bunos Ayres, New (Limited), 7½; to 3; Continental Union (Limited), 24 to 24½; ditto, new, 1869 and 1873, 17½; Gas Light and Coke, A. (ordinary), 173 to 174½; ditto, 4 per cent. debenture stock, 103; Imperial Continental, 183 to 184½; Londou, 195 to 197; Monte Video Gas, 14; Rio de Janeiro, 25½ to 25½, South Metropolitan, B, 176. Gas stocks idle, and no change. For closing prices see list on the last page of Journal.

INSURANCE SHARES have, according to this evening's report of Messrs. W. L. Webb and Co., of the Stock Exchange and Finch-lane, been dealt in as follows:—Alliance, British and Foreign, 36; City of London free (Limited), 1½; to 1½; City of London Marine Corporation, 1½; Condonnerial Union, 23 to 24½; Eagle, 6½ to 61½; Guardian, 72½; Fire Insurance Association (Limited), 31½, to 3½; London and Staffordshire Fire, ½; London, 62½ to 63½; London and Lancashire Fire, 4½; London and Provincial Fire, ½; Merchants Marine (Limited), 1½; Ocean Marine, 8½ to 9½; Phoenix, 300; Railway Passengers, 7½; Universal Marine (Limited), 8½. Marine insurance steady; others flat. For closing prices see list on the last page of Journal.

TRAMWAYS.—The closing prices of this evening, as quoted by Mr. W. Abbott, of Tokenhouse-yard, are given in tabular form in the last page of Journal.

Railway And General. Markets.—Referring to the course of

RAILWAY AND GENERAL MARKETS.—Referring to the course of business done to-day during official hours (11 to 3) Mr. Fredinand R. Kirk, 5, Birchin-lane, writes:—Opening: Yesterday Hudson Bay shares reached 32; they are now 33½. Last month we ventured to recommend a purchase at 27, and as they were only carried over at 26½ on Jan, 25 some of the buyers thought they had been badly advised. On Mouday they were carried over at 29½, and have since been rising at a rapid rate. The market is very bare of shares, as those who have sold them find to their cost. Hudson Bay is now one of the oldest companies quoted on 'Change, having been incorporated in 1670. The capital is 1,705,0004. In fully-paid shares of 17%. Since drawing attention in the middle of the week to Spanish, Turkish, and Petuvian there has been an average advance of ½ per cent. Wheal Grebor, 23½ to 23½; the 132 appears to thave been reached at last, and there has been a better demand for the shares. Some of those belonging to the "deceased account," about which so much has been said of late, have been, it is understood, taken at 2½, but no more are now it appears offered.—Cloning; Spanish are now close upon 263½, and Turkish Fives 113½. Unified being 65½. Great Western are nearly 1% higher. 'Richmond, 10 to 10½; Parys Corporation, 11s. to 13s.; Devon Consols, 7½ to 5; New Kitty, 2 to 2½. RAILWAY AND GENERAL MARKETS .- Referring to the course of

Messrs. Pixley and Abell...—Gold: There has been no revival in the demand for export, and all arrivals flow into the Bank. The amounts to hand since our last circular make a total of 934,002, and there have been no withdrawals. We have received \$1,002. from Mebourne, 399,002. from New York (exclusive of 317,002. for Italy), 40,002. from the West Indies, 34,9102. from the Brazils, and about 400,002. from the Continent, in Dutch gold and severeigns, equal to 934,9104. The Australia takes 40,0004. to Bombay.——Silver: Since our last the price has fractionally advanced, and may now be quoted at 52½60, er ounce standard. The arrivals have been very small, and comprise only 52,002. from the West Indies, and 32,0004. from New York, equal to \$4,0004. Fill Britannia, from Chili, is reported to have 69,0004. on board, but the details are not yet known. The Australia takes 75,5004. to Bombay. The Tanjore has taken 40,0004. silver trom Venice to India.

	Alines.							
Feb. 14-	Lisburne	70	£	11	2	6		Sheldon, Bush, and Co
-	ditto	6	******	8	15	0		ditto
-	Cwmystwith	30		9	1	6		ditto
	East Darren	25		12	7	6		Panther Lead Co.
16-	Roman Gravels	200		9	13	0		Sheldon, Bush, and Co
-	East Roman Grav	els., 20	******	9	11	6		Walker, Parker, & Co.
and a	ditto	20		9	11	6	*****	Sheldon, Bush, and Co
	_	BLI	END	E			_	
Date.	Mines.	Tons.	Pri	ce	per	to	n.	Purchasers, Vivian and Sons,
Feb. 16-	East Roman Gra	vels 20		£2	0	0		Vivian and Sons.

LEAD ORES.

COED-Y-FEDW AND PANT-Y-BUARTH-An important discovery is announced here at the 107 west. Further good news is expected.

GREAT HOLWAY.—The various points in the mine have improved. Another parcel of lead has been sold, assaying for silver nearly 15 ozs. to the ton. The returns will now steadily increase.

ARENDAL.—The following are the principal valuations of the lode according to the latest advices:—Brown's shaft is worth 7 tons of copper ore per fathom; the winze below the 75 fm. level, 4 tons; the 60 east, 3 tons; the new shaft at Sletné, 3 tons; the 60 east at Boilstad, 2½ tons; and the 60 west, 2½ tons. The mines are said to be looking better than they have done for the past two years, the richest lode being in the shaft from the 75 level to the bottom (87 fathoms), which is most important. At the new shaft at Sletné there is a fine course of ore, and in a few weeks they will cut the new lode at 50 fathoms deep.

Bratsberg.—The managers' monthly report will be found in another column, and, it will be seen, is most favourable. The mines continue to open out on a rich lode, the various points being valued at nearly 250*l*. per fathom in the aggregate, and other places are soon to be resumed in a good lode. We understand that the ore broken is estimated at worth more than 5000*l*; the company having taken possession only on October 31 last. The above refers to the only one of the mines yet being worked, but when even it is in full operation with the new machinery much larger returns will be made while the present yield a good profit. The surface works progress well, the weather being very favourable.

DEVON FRIENDSHIP.—The 30 cast is improving, and in a rise above the 30 just begun the lode is worth 1½ ton of copper ore and 6 tons of arsenical mundio per fathom. They sell this week 4½ tons of the

EAST ROMAN GRAVELS .- This mine continues to look exceelingly

EUREKA (NEVADA) SILVER .- Good progress has been made in these mines (Bald Eagle). During the week the drift from the 150 feet level having been advanced 12 ft. in low grads ore and iron, while stope A has been entirely cleared of waste, and work con-

tinued on the vein of ore, which is now 6 in. wide. The usual ship ments have been made from the Williamsburg.

SOUTH CARADON.—At the meeting held at the mine on Wednesday SOUTH CARADON.—At the meeting held at the mine on Wednesday the accounts showed an expenditure of 6736l. on the three months working, and sale of ores 6768l., leaving a profit of 32l., which was carried to the balance now in hand of 1783l. It was decided to form a Limited Liability Company with a capital of 100,000l., in shares of 1l. each, to provide additional capital for working new ground lately granted to the present company.

PRICE OF TIN AND TIN MINES.—Shareholders in tin mines should

PRICE OF TIN AND TIN MINES.—Shareholders in tin mines should hold on to their interests, for as soon as money is cheaper, and Bank rate is reduced, which is likely to take place next week, there will be a great rise in the price of tin, and probably before long, a well-informed correspondent says, of some 20% per ton.

COPPER MINES.—The "bears" of copper have been hard at work all this week in getting copper down, but the latest information we get is that next week the incoming "bulls" may have their turn, and a rapid rise set in next week. The next Board of Trade Returns, it is expected, will show much better results than for a long time past.

LEAD MINES-LEAD TRADE-IMPORTANT INFORMATION. LEAD MINES—LEAD TRADE—IMPORTANT INFORMATION.—The demand for lead this week has been in a considerable increase of that for several weeks, and a great rise is now confidently expected, and our home lead mines, as well as importers of lead, will be to blame to sell pig-lead at existing prices. It is stated this week that uearly all the brickmakers round London had such an enormous demand on them for bricks that they are almost cleared out of stocks. The demand for house and manufactory buildings is such as has not existed at this season for many years past. There cannot, therefore, be any longer any doubt but we are on the eve of a great rise in the price of lead, not only for home consumption but for export likewise. This is good news for lead mine shareholders. The stocks of lead are now greatly reduced, and imports decreasing.

# CAPPER PASS AND SON, BRISTOL,

ARE BUYER J LEAD ASHES SULPHATE OF LEAD, LEAD SLAGS, ANTIMONIAL LEAD, COPPER MATTE, TIN ASHES, &C

and DROSS or ORES containing COPPER, LEAD, AND ANTIMONY.

### GEO. G. BLACKWELL,

26 CHAPEL STREET LIVERPOOL HANDLES ON PURCHASE OR SALE

MANGANESE, ARSENIC, FLUOR-SPAR, WOLFRAM, BLENDE, CAL MINE, CARBONATE AND SULPHATE OF BARYTES, ANTIMONY OR CHROME ORE, MAGNESITE, EMERY STONE, PUMICE STONE OCHRES AND UMBERS, CHINA CLAY, LEAD ORF FOR POTTERS TALC, PHOSPHATE OF LIME, FULLER'S EARTH, &c. Also, ORE CONTAINING LEAD, ZINC, AND SILVER IN COMBINATION.

#### EDGAR JACKSON (Associate Royal School Mines),

ANALYST AND ASSAYER,

Assays or Complete Analyses made of Copper, Silver, Lead, Zinc, Tin, and other Ores.

Assaying Taught.

106, QUEEN VICTORIA STREET, LONDON, E.C.

#### A. JONES. MINING ENGINEER.

G JON (ASTURIAS), SPAIN

Mines inspected and reported on. Assays and valuations effected Has on hand offers of Mines of Copper, Calamine, Blende, Phosphate of Lime, Tin, Lead, Iron, Manganese. and Manganiferous Iron Ores.

The Directors have appropriated \$20,000 from the profit realised in January to the PAYMENT of the 30th consecutive MONTHLY DIVIDEND, at the increased rate of 12 per cent. per annum on the capital of the company.

Dividend Warrants will be issued for all shares on the London Register on 22nd instant.

F. ANDREWS.

Register on 22nd instant. F. ANDREWS. 21, Great Winchester-street, E.C., London, Feb. 17, 1882.

CAPITAL (£2000 to £5000l.) REQUIRED for a LEAD MINE in the best district in WALES. Can be advanced in one or several sums, and by degrees if preferred.

Address, "Argent," care of Messrs. G. Street and Co., 30, Cornhill, E.C.

LIEBIG'S EXTRACT OF MEAT AND MALT, WINE (COLEMAN'S).
A DELICIOUS BEVERAGE AND TONIC.

### IMPORTANT TESTIMONIAL.

Queen's Crescent, Haverstock Hill,
London, March 5th, 1881.

DEAR SIR,—Some time since, being greatly fatigued with overwork and lot hours at business, my health (being naturally delicate) became very indifferent lost all energy, strength, and appetite, and was so weak as to be scarcely at to walk.

to walk.

\*As you are aware, I sent for a dozen of your Extract of Meat and Mait Wine,

\*As you are aware, I sent for a dozen of your Extract of Meat and Mait Wine,

which, in a few days, pulled me up marvellously. Three or four glasses of it
daily have quite altered and restored me to better health than ever, "without
the assistance of a doctor."

I am now giving it to my son, twelve years of age, whom we have always
thought consumptive, and from a puny alling boy he seems to be fast growing
into a strong healthy lad.

Enclosed you have cheque. Please send me two dozen of the "Extract." With
thanks for your prompt attention to my last
I am Sir, yours truly,

Pints, 30s.; Quarts, 50s. per dozen. Carriagel Paid\_to any Railway Station.
Sample Bottle sent for 33 stamps

Pints, 30s.; Quarts, 50s. per dozen. Carriage Paid to ample Bottle sent for 33 stamps

Post-Office Orders and Cheques payable to—

COLEMAN AND CO.,
MUSPOLE STREET, NORWICH.

Sold by all Druggists in Bottles 2s. 9d. and 4s. 6d. each. Ask for Coleman's Liebig's Extract of Meat and Malt Wine, and "See that you get it."

ESTABLISHED 1868.

MESSRS. CUNLIFFE, ENTWISLE, AND CO.,
FINANCIALISTS,
MINING AND CONSULTING ENGINEERS,
MINERAL ASSAYERS,
STOCK AND SHARE BROKERS,
77, BLOOMSBURY, OXFORD STREET; AND 2, UPPER BROOK STREET,
MANCHESTER.
Bankers: Manchester and Oldham Bank (Limited),
Pall Mall, Manchester.

BBOTT AND CO., IMPORTANT DISCOVERY OF COPPER AT SHARE BROKERS.

9, CORNHILL, LONDON- cation.

Monthly Circular for February post free on application. SHARE BROKERS.

JOSEPH TOMS, STOCK AND SHARE DEALER,
No. 83, BISHOPSGATE STREET WITHIN, E.C., has FOR SALE—
10 Goodevere. 50 West Godolphin. 49 East Lovell.
10 New Trumpet. 10 Wheal Grenville. 15 Langford.
Special business can be transacted in the shares against which prices are not

amsed.

For a great rise—New Trumpet Consols, Sinclair Lead, and Great Holway shares should be bought.

SHARES FOR SALE:-

30 Bratsberg, 28s. 40 Langford Copper, 3s. 10 Lovell Tin, 15s. 25 South Devon, 22s. 6d. 20 D'Eresby Mountain, 20 Gawton Copper, 11s 6 Address, "H.," 9, Abbey-road, West Ham, South Essex.

A LSTON UNITED MINES.—The discoveries on this property

particulars from Messrs. Petherick, Stockbrokers, 51, Threadneedle-street

City.

## Motices to Correspondents.

Much inconvenience having arisen in consequence of several of the Number during the past year being out of print, we recommend that the Journal should be filed on receipt; it then forms an accumulating useful work of references.

be filed on receipt; it then forms an accumulating useful work of reference.

IMAD PRICES AND PROSE ECTS.—"Zero" (Newcastle-on-Tyne).—If you are misled by such reports it is your own fault. It is well understood that the Editor is not responsible for the opinions of correspondents who sign their letters, and are frequently in terested parties with regard to the subjects on which they write. The remarks in last week's Journal of which "Zero" complains were, however, perfectly accurate, and in every respect justifiable.

PEAT COMPRESSING MACHINERY—"S. C." (Wolverhampton).—Any of the manufacturers of brick-making machinery will supply machinery suitable for the compressing of peat. All the machinery well supply machinery suitable for the of from any defect of the machines, but from the fact it is only certain qualities of peat—that naturally dense and free from fibre thicker than a blind cord—that can be usefully compressed without costly preliminary manipulation, which makes the attainment of profit impossible.

OANDIAN COPPER AND SULPHUR COMPANY.—I notice in my communication to you of last week rather an unfortunate clerical error has been made. It appears that the shares are 4s, fully paid; it should have been 4d. These shares are now selling at 24s. 6d. to 25s., very much below their value; and as the last report from the mine was very good, I have no hesitation in saying that any-one buying now will double their money within three months.—Enginken.

Gold Extraction—"J.B." (Glasgow).—It has not been announced in the Journal

report from the mine was very good, I have no hesitation in saying that anyone buying now will double their money within three months.—ENGINERIE.

Gold Extraction—"J.B." (Glasgow).—It has not been announced in the Journal that Mr. Readwin is in any way concerned in the promotion of the Dulcamara Anglo-Indian Gold Extraction Company. The processes no doubt resemble each other in so far as the mercury is manipulated in both cases; but that is sil. Mr. Readwin has not stated that gold is in his case the mercury improve used, nor that it may be a yellow metal of a cheaper kind.

Norel's Blasting Gellating.—Can any correspondent inform me, through the Journal, where I can obtain Major Ford's report on the accident at the Deep Level, Halkin, North Wales, that took place some time at the latter part of last year with Nobel's patent blasting gelatine?—B.: Millom.

Nouveau Monde.—"W. H. F." (Chiswick).—You will probably find all the information you require in the report of the Nouveau Monde Company meeting, published in last week's Mining Journal. If shareholders do not take the irouble to attend the meetings they will naturally have difficulty in keeping themselves properly acquainted with what is going on with regard to the concerns in which they are interested.

OLATHE SILVER MINING COMPANY.—We have received various newspapers, and two communications, from Leadville, respecting this company. The statements made are of such an extraordinary character that we should think the parties concerned would publish some authenticated explanation or refutation. No gentlemen could rest under such fearful imputations.

Received,—"F. J. H." (Wheal Coates)—"F. S. C."—"J. N. D."—"Ajax" should

tion. No gentlemen could rest under such fearful imputations.

\*\*Received,—" F. J. H." (Wheal Coates)—" F. S. C."—"J. N. D."—" Ajax." should splyt to the broker through whom he purchased the shares—"G." (Richmond)—"A Holder of 170 Shares" (Richmond): We should think you have adopted the right course—"Old Reader" (Dublin): We hope to have some information in a week or two—" W. F. H." (Wadebridge)—" W. S."—" E. P." (Mold): The report reached us on Saturday morning, after the Journal was published—"R. S." (Truro)—"Shareholder" (Wheal Vor)—"Old Subscriber" (Neath)—"Shareholder" (Glasgow).

# THE MINING JOURNAL,

Railway and Commercial Gazette.

LONDON, FEBRUARY 18, 1882.

#### THE EMPLOYERS' LIABILITY ACT.

Mr. Burr has brought in a Bill to amend the Employers' Liability Act, so as to render it compulsory, and that there shall be no power to contract out of it. The Act has been in operation for a year, and in many places the masters and men have agreed to work outside of it, and in no instance has there been any complaint made against the arrangements come to. In some districts the miners have adhered arrangements come to. In some districts the miners have adhered to the Act as it was passed, and in many others the contrary has been the case, the mineowners subscribing largely to a fund that made provision not only for accidents but for sickness as well. In such cases the men are far better off than they would be were they placed under the Act. But Mr. Burt and those who are acting with him are evidently determined to give no liberty of action whatever to the working men, many of whom we believe will be found amongst the strongest opponents of the Bill brought in by the Member for Morpeth. No fault has been found with the Act as it stands, and why it should be altered so as to meet the views of those who are set likely to come justile of its provisions we camput understand. why it should be altered so as to meet the views of those who are not likely to come inside of its provisions we cannot understand. In a few instances, such as that of the London and North-Western Rail-way Company, an attempt was made to force the men to contract themselves out of the Act, which at the time we considered was a most impolitic step. In other cases, however, considerable bodies of workmen have requested to be kept outside of it. The men at the extensive shipbuilding works of Messrs. John Elder and Co., on the Clyde, not only contracted themselves out of the Act at their own request, but formed a committee of their number to meet at their own expense all claims which any member might press upon their employers. In Lancashire the mineowners offered to increase their subscriptions in all cases from 15 to 25 per cent. upon the men's contributions, whether directly or indirectly employed by them. Mr. PICKARD, the miners' chief in Lancashire, was most favourably inclined towards the proposal, and considered that the society to which the payments were to be made was one of which the miners ought to be proud, when they remembered how many persons by it had been the payments were to be made was one of which the miners ought to be proud, when they remembered how many persons by it had been saved from becoming paupers. His opinion was that the adoption of the arrangement alluded to was really carrying into effect the spirit of the Employers' Liability Act. He estimated that not fewer than 30 per cent. of the persons employed underground in mines under the Act would have no remedy except against their fellow-workmen.

But as it is, during the year very few cases have been brought into the Courts where miners have sued mineowners for compensation, and we see in but very few of these have damages been obtained against employers. In such cases the unsuccessful litigants found that they were worse off than if the Act had never come into operation, for then they would have had the old mine club to fall back upon. In one district, where upwards of 30,000 miners are employed, and where the men did not contract themselves out of the Act, there was no litigation throughout the year, and although there were a good many accidents of a fatal character, more particularly from "falls," there could be no claim for damages against the employers, seeing that they were not by themselves or agents contributories to what took place. In another district the men, or at least a large proportion of them, subscribe along with their ememployers to a permanent relief fund, which makes provision for them in case of sickness or accident, and also provides for their families in case of death from any cause. Now, it will be very hard indeed if these men are not to continue in an association, and that their employers are not to subscribe to its funds, for such would be But as it is, during the year very few cases have been brought their employers are not to subscribe to its funds, for such would be the result of making the Act compulsory, for a mineowner could not be expected to subscribe to a society and at the same time be liable for injuries caused to a workman whilst following his employment, by doing an act which is intended for his own safety. As an illustration of this, we may say that were a deputy in going his rounds to tell a man to set a prop, and the man in doing so was in-jured or disabled, the owner or owners would have to pay compen-At the extensive ironworks and mines of the Staveley Company, in Derbyshire, where upwards of 5000 persons are employed, there is a fund started by the company with 2000l, and who also pay a certain percentage on the contributions of the men, by which on is made in the case of sickness, accident, or death Where a man is unable to follow his employment as much has been given to him to start in business, and so maintain himse!f and family. In the event of Mr. Burr's Bill becoming law, then the Staveley Society would become extinct, so far as accidents are concerned, and it is not likely that the company would subscribe for support of the men and their families in cases of sickness or

the support of the men and their lamines in cases of steames of death as they had previously done.

Such a course was proposed to be taken by Earl Dudley, who showed no desire to get out of the Act, but just before it came into operation gave notice that he would discontinue the provision he had made up to that time for his workpeople in the shape of medical attendance, sick allowance, funeral expenses, house coal, and the

weekly doles to the widows and orphans. This was strongly objected to by the miners, who held a meeting and unanimously asked to be allowed to contract themselves out of the Act. It is, therefore, jected to by the miners, who held a meeting and unanimously asked to be allowed to contract themselves out of the Act. It is, therefore, plain that vast bodies of workmen, more especially miners, receive more benefits from their employers outside of the Act than they would do were it in force. This the men are well aware of, and they may well ask to be saved from their friends, who wish to force them under certain circumstances into doubtful litigation instead of a certainty obtained by agreement. We are, therefore, of opinion that whilst mineowners have nothing to fear from the Liability Act becoming compulsory between them and their workmen, the latter have an interest in maintaining it as it is. It may be said that the tenant farmers requested to have the Ground Game Act made compulsory, so that they should not be able to make any arrangement with the landlord, and this furnishes a precedent as regards the Liability Act. But there is a great difference in the two cases, for the miner is admittedly better off as he is at the present time than he would be were the Act made as stringent as some persons desire. There is every reason, also, to come to the conclusion, as we have said before, that the strongest opposition to Mr. Burr's proposal will come from the working men, especially miners. Consequently there is not much likelihood of the Act, which has already been the means of effecting a great deal of good, being altered in the direction which Mr. Burr and his friends desire, and it is a noteworthy fact that no one has presented a petition in favour of any alteration in the Act as it stands.

#### OUR MINING AND METALLURGIC INDUSTRIES.

It is to be sincerely hoped that the new rules for the regulation of our parliamentary debates will become law during the present session. The tactics of the Irish obstructionists last session were, unfortunately, successful in seriously impeding business, and many measures of vital importance to the commercial and manufacturing measures of vital importance to the commercial and manufacturing industries of the kingdom were abandoned in consequence of the time occupied in discussing questions mainly affecting the welfare of our Sister Isle. There are, however, indications that the present Government (and they will be supported by all shades of politicians) are not inclined to allow the present session to be so frittered away, but are anxious that measures long since and urgently demanded in connection with our trade and industries shall receive due consideration, and if possible brought to a satisfactory issue without any tion, and if possible brought to a satisfactory issue without any further delay. There are inferences in the Royal speech which infurther delay. There are inferences in the Royal speech which induce the hope and belief that our mining and manufacturing interests will not again be altogether shunted out of the parliamentary programme, and therefore it is that we urge those honourable members who are connected with our collieries and our iron and steel works and other staple trades to use all their efforts to secure the fullest discussion for the various measures which affect their interests.

It is not at all improbable that in connection with the bankruptcy laws, to which allusion is made in the Queen's speech, that stringent clauses will be introduced to discountenance and suppress the start-ing of what are known as "bubble companies," which are so inimi-cal to sound and legitimate trading, and which have caused the ruin of thousands of persons, and the waste of hundreds of thousands of capital, which if profitably employed would have been productive of much good. Such so-called companies are for the most part got up by reckless adventureres, who have nothing to lose, and sometimes make large sums out of their speculations. The too credulous public are easily hoodwinked by the high sounding names attached to the prospectuses. These Limited Liability companies are not an altogether unmixed good in other respects. In too many instances the great object of the managing directors and the secretary is to make good dividends, and succeed in so doing for a few years by accepting low contracts and underselling, militating seriously against old established private firms, and reducing prices far below legitimate and remunerative profits. Such reckless trading thus cuts away the very foundation of sound trading, and jeopardises the reputation of private firms. Of course we cannot gainsay the fact that Limited Liability companies, when discreetly fostered and economically managed, have in many instances proved fairly successful, and have afforded the means for the productive employment of capital which otherwise would be lying idle in the coffers of the bank. The remarks we have made cannot, therefore, apply to these companies; but there is a tendency once more to start Limited Liability companies for all sorts of questionable purposes, the prospectuses of which are backed up with the names of high sounding officials. If, therefore, the new bankruptcy laws, or any independent measure, made it a misdemeanour, punishable with imprisonment, not only to directly promote, but also to attach a name to a fictitious prospectus, a most efficient check would be put to the formation of a these "bubble companies," and a great boon would be conferred upon the commercial community generally.

We stated last week that the Home Secretary, Sir W. Harcourt, received a deputation representing, it is said, every mining district in England and Wales, who urged of thousands of persons, and the waste of hundreds of thousands of capital, which if profitably employed would have been productive of much good. Such so-called companies are for the most part got up

Regulation Act. The great object of the deputation was, of course, to secure greater safety in the working of mines. We stated last week that beyond the question of the immense expense which the various recommendations of the miners' deputation would entail, but little if any objection could be taken to those amendments; but it is another question whether it is discreet to seek further parliamentary enactments or enforce more rigid regulations. One would almost imagine that the colliery proprietors and mine owners are less anxious to prevent accidents and explosions and to save lives than are the miners themselves. With all the regulations and rules with which colliery operations are now hedged, and the workrules with which colliery operations are now hedged, and the work-ing of mines surrounded, we may safely leave the means for the prevention of accidents to the colliery proprietors themselves, being assured that they will readily welcome any mechanical or scientific means for the prevention of these accidents, and be ready to carry them into effect with the least possible delay. If the miners them-selves would second the efforts of the proprietors and managers, and be less reckless in their conduct, we should soon see a marked dimi-nution of accidents, and consequently decrease in the loss of life. No number of Government Inspectors would altogether prevent explosions or accidents, and there is some weight in the argument that any large increase in the number of Inspectors would tend to decrease the responsibility of proprietors and managers—a policy of constitutely lattiff the proprietors and managers—a policy of constitutely in the constitute in the co

questionable utility indeed.

In all probability one measure of real value and practical advantage to one of our great centres of mining and manufacturing industries will be carried during the present session. We refer to the establishment of a scientific and technical college for Wales, with special reference to the instruction needed for the carrying on o the large and varied metallurgic industries of that important mining district. The necessity of such a college has long since been recognised by the Government, and the present movement is the outcom of the Royal Commission over which Lord Aberdare presided with so much ability. The commissioners have recommended that the so much ability. The commissioners have recommended that the Government should establish such college in Glamorgaushire, and a rivalry is being carried on at present as to which town. Swansea or Cardiff, should have the honour of being the locale of such a coilege Cardiff has subscribed 20,000l. (10,000l. of which is the gift of Lord Bute) towards the erection of such college; whilst Swansea has offered a most eligible site of 20 acres, estimated by the Mayor to be worth at least 10002 an acre. But whichever town is ultimately selected by the Government, the erection of such a college will be a great boon. In the advocacy of the claims of Swansea by Mr H. H. Vivian, M.P., that gentleman said that a classical education was no doubt of very great advantage to those who had time and the means to go through the course; but speaking for himself as a business man he believed that success was chiefly due to two things—first a thorough training in the physical sciences, enabling him to deal with the whole of the metallurgic industries in the broadest possible sense, taking advantage of all new improvements in science; and modern languages, enabling him to launch out into trade with the whole world. A Government science school would indeed be a the whole world. the whole world. A dovernment science solds would indeed a priceless boon for South Wales, for Swansea has been not inaptly termed the centre of the world in respect to its metallurgic industries. It is unfortunately too true that at the present moment us great majority of our large metal works are managed by foreignen—Germans in large numbers, and Belgians not a few. It is a some what curious fact that amongst those who introduced the copper trade into South Wales in the time of Elizabeth, and especially many subsequent improvements in the manufacture or smelting of copper, we find the names of several Germans, or those then called Dutek men. One of these was Ulrick Fosse (that very honest and skilled man), who lived at Neath, near Swansea, and also Jochim Game, who it is said was "able to kill all the corrupt humours that be in the nature of all o'r copp' ures, and thereby bringe out more copper than heretofore hath byn, and with lesser charge." Unfortunately for Englishmen and Welshmen, that which obtained in the days of Elizabeth still holds good to a very great extent in the present da, and many managers and overseers and those in authority in our mining industries are chemists or assayers, who have received the education in Germany. It is thus obvious that this scientific and technical education has been most seriously neglected in England and Wales, and a Government science college for Wales would be one of the greatest boons which could be conferred upon that in portant mining district; and this we hope to see cordially sanctioned lawring the present parliamentary session. It is unfortunately too true that at the present more portant mining district; and this we hope to see cordially sanctioned during the present parliamentary session.

#### THE IRON ORES OF CORNWALL.

So much interest has been shown in the mineral deposits of Con-So much interest has been shown in the mineral deposits of Corewall, and so many companies have been formed for the purpose of working the copper, lead, and tin found so extensively in the county that it appears somewhat singular that more attention has not been paid to the iron ores, which are of such great value, being amongs the finest hematites found in the kingdom. The Great Perran lode, in particular, is a remarkably fine one, and averages about 36 ft. in width for a course of several miles, the upper part consisting chiefy of brown hematite, due to the decomposition of the spathose ore which is met with before the sea level is reached. In his evidence before a Committee of the House of Commons Sir H. BESSEMER, with a spect to the lode, said he was convinced there were millions of too a Committee of the House of Commons Sir H. Bessemer, with respect to the lode, said he was convinced there were millions of tos of spathose ore specially adapted for making Bessemer steel, only requiring railway communication to develope it. Now, however, there is a railway from the iron centres to the ports of Par and Fowey on the south coast, and to New Quay on the north coast. A cubic fathom of the ironstone weighs about 16 tons, and if the lode is taken at only 6 fms. wide its yield for every fathom in height and length would be 96 tons of ore. This ore, one would think, should yield a very large profit, seeing that there is no depth to sink to it. The ore of the lode is comprised principally of white spathose, over which is a considerable quantity of fine brown hematite. Owing to the presence of magnesia the stone is liable to fuse if heated beroad the presence of magnesia the stone is liable to fuse if heated be the presence of magnesia the stone is liable to fuse if heated beyond a certain point, so that it has to be calcined at a low heat. At one mine, where the ore has been worked, it has been proved 70 fms. deep without showing any signs of giving way, excepting that other minerals become intermixed with it. The lode, however, is not regular in its width, for in some places it has been found to be not more than 1 ft. in width; but this is only as a rule for a very short distance, when it opens out again, the cause of the falling off being generally the intersection of another lode. Still, with such a thick ness of the finest ore within reach it is certainly surprising that it has not been more looked after than it has been seeing that has not been more looked after than it has been, seeing that, a great is the demand for hematite stone, that hundreds of thousand of tons of it have to be annually imported to this country from Spain of tons of it have to be annually imported to this country from Spain although we have vast unworked deposits at home Mr. Parkin, in writing of it not so long since to the North of England, says that the iron lode or deposit has for many years been known to exist, but it has not been worked until comparatively recently, former advecturers having only scratched about the surface of it, or sunk pit down to a few fathoms deep.

From these shallow workings, however, large quantities of stone, mostly hematite, have been raised and sold. But the ironmaster, we are told, have been somewhat prejudiced against the ore, in some measure owing to it having been injudiciously selected, and take

mostly hematite, have been raised and sold. But the ironmaster, we are told, have been somewhat prejudiced against the ore in some measure owing to it having been injudiciously selected, and taken principally from the surface, where it is highly silicious. It appears that there are several mines working upon the lode, but the produce does not appear to be anything like what might be expected. The stone has been worked at about half a dozen places, but the quantity raised has been by no means large, not withstanding the fine quality of the ore. A few years ago them were no less than 30 ironstone mines in Cornwall raising the brown hematite, the value of which in 1875 was estimated at 16s. per ton, whilst at present it seems very few mines are at work, more attention being evidently paid to the copper, lead, and tim. Yet the brown hematite gives an average of something like 54 per cent of metallic iron. In 1874 the quantity of iron ore raised in the buchy of Cornwall was 45,005 tons, of the value of 34,076t, but since the there has been a rapid yearly decline, the returns for the last two years showing a comparatively small output, although the dues only reached from 6d, to 9d, per ton, and the cost of raising from 3s, to 4s. 6d, per ton. According to Mr. PARKIN there are six mines where the Perran lode has been worked, and of these he has given us some interesting information in one of his papers. Of the Gravel Hill Mine, which in one year raised 2500 tons of ore only, we are told that nearly the whole of the surface of the set is covered with sandhills, principally the detritus of sea-shells, and these are so light that they are blown for miles inland. the Church of St. Pirze in the that nearly the whole of the surface of the sett is covered with sand-hills, principally the detritus of sea-shells, and these are so light that they are blown for miles inland, the Church of St. Piras in the locality having been enveloped in sand to such an extent that it had to be pulled down and built inland. The workings consist of an all driven in from the base of the cliff by the side of the lode, which intersects it at about 60 fms. in from the cliff. Another mine in that known as the Mount, at which two or three openings have been made, and from which many thousands of tons of ore have been raised, nearly all of which has been brown hematite, the workings not having been taken down low enough to reach the spathose ore. The raised, nearly all of which has been brown hematite, the workings not having been taken down low enough to reach the spathose ore. The ore by analysis has given 52°91 per cent. of metallic iron, and 2% of manganese. The Deer Park Mine appears to be well situate, being at the most easterly point at which the Perran lode has been opened out, and one would think could be worked so as to realise a good profit. It is near to the East Wheal Rose and Shepherd's Lead Mines, the former of which has been such a profitable concern, as indeed has been the other one as well. There are three lead lode at Deer Park, and the iron one as well. At one pit the lead lode comes in contact with the iron ore, which has been found so much impregnated with lead that it was found to pay to stamp it by had comes in contact with the fron ore, which has been found so must impregnated with lead that it was found to pay to stamp it by hand for the lead solely. The opinion prevails, however, that the irol lode will die out as it goes down and then give way to the lead. From the iron lode we are told that about 10,000 tons of ironstort were raised by a company that worked the mine, and which was quarried from openings of from 3 to 4 fms. deep, but a large quantity of it was largely impregnated with lead ore.

of it was largely impregnated with lead ore.

From the Duchy Peru Mine a good deal of iron ore has been raised as well as copper, sulphur, and blendo. The Great Retallack Min now raises both lead and zinc, and iron has also been raised at it, but we believe that no ironstone is now being raised from it. Treamble Mine the brown hematite crops out at the surface, and the white spathose is seen at the bottom, the lode being worked by means of an open quarry. At the Duchy Peru, from which both pyrites and zinc are obtained, there is a shaft sunk down to what is known as the 40 fm. level, at which point the ironstone is of an excellent quarter. lity, being free from all impurities, whilst stones of white spathose were met with at the bottom of the shaft. The Great Perran lode is may be said bears about 35° north of west, and bunches of the ore are found where it is crossed by the north and south lead lodes. The iron ores of the Silurian and Devonian systems, as a rule, assume greater regularity in mode of occurrence than is found to be the case in the earlier rocks. In the Devonian or Old Red Sandstone it has been computed that the quantity of iron amounts to somethir 1,000,000 tons per acre, and some of the spathose ores in Devo een found to contain 72 per cent, of the peroxide of iron and a 14 per cent. of the peroxide of manganese, the other constituents being silica, alumina, magnesia, phosphoric acid, &c. Seeing that so little attention of late years has been paid to the fine ores in Cornwall we have been induced to notice them at a time when the tons, 1,110

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exists of the back benefit, but on done to for min the defi-the con List no for lead

demand for hematites is much greater than it has ever been, our own known resources being unequal to meet the requirements of our iron and steel makers.

#### COAL IN FRANCE.

COAL IN FRANCE.

The imports of coal into France appear to have sustained a certain check last year, while the exports of coal from France in 1881 were larger than in either of the two previous years. These two circumstances combined together sensibly reduced the excess of imports over exports which represents the effective consumption of foreign coal by the French year by year. This will be seen when we state that the imports of coal into France in 1881 were 8,106,761 tons, while the exports from France last year were 724,885 tons, the balance representing the excess of imports over exports being thus lance representing the excess of imports over exports being thus 7,381,876 tons. In 1880 the corresponding figures stood thus:—Imports, 8,451,129 tons; exports, 546,455 tons; excess of imports over exports, 7,904,674 tons. The dependence of the French upon their neighbours for the coal which they require for domestic and manufacturing purposes would seem to have been reduced last year, as compared with 1880, to the by no means important extent of 522,798 tons. The importance of the change indicated by these figures is, however, reduced when we come to make a similar calculation with reference to 1879. In that year France imported 7,662,385 tons of coal, while she exported 513,938 tons, leaving an excess of imports over exports of 7,148,447 tons. It would thus appear that when we extend the comparison of 1881 to 1879 the reduction of the dependence of the French upon their neighbours for coal which was shown when the review was restricted to 1881 and 1880 vanishes altogether, the balance of exports over imports having been 233,429 tons larger in 1881 than it was in 1879. The diminution in the imports of coal into France in 1881 and the increase in the exports of coal from France in the same period are probably attributable to the progress made in coal mining in the north of the French Republic last year. Thus the coal production of the Pas-de-Calais amounted in 1881 to 5,320,616 tons against 4,844,323 tons in 1880 Thus the coal production of the Pas-de-Calais amounted in 1881 to 5,320,616 tons against 4,844,323 tons in 1880, showing an increase of 476,293 tons last year. The coal production of the Nord declined, on the contrary, last year to 3,668,733 tons as compared with 3,701,589 tons in 1880; but even after allowing for the small dimination observable in the production of the Nord, the general extraction of these two important basins was 8,989,349 tons in 1881 against 8,345,912 tons in 1880, showing a final augmentation for the year of 413,437 tons. It was this increase in the coal production of the North of France which no doubt stimulated deliveries of French coal also to Belgium in 1881, while, of course, there was more French coal also available for home consumption. The progress of coal mining in the Pas-de-Calais is one of the most remarkable features of French mining ras-ac-dains the last 30 years. In 1850 there was scarcely a ton of coal raised in this district, while it is now steadily growing in ime as a coal basin.

It will be interesting to analyse the imports and exports of coal to and from France in 1881. The respective to the exports of coal

to and from France in 188		pective tables	
follows:-	Imports.		Exports.
England Tons	3,142,396	Tons	-
Belgium	4,041,770	************	140,472
Germany	919,659	***************************************	*******
Switzerland	-	***************************************	84,077
Italy	**	***************************************	178,566
Other countries	2,936	***************************************	321,770
Total	8.146.761		724.885

Total...... 8,146,761

It is of some importance to note that while the imports of coal into France declined in 1881, the imports of coke presented a considerable increase as compared with both 1880 and 1879. In 1881 Belgium forwarded 902,771 tons of coke to France, Germany 190,407 Beigium forwarded 902,771 tons of coke to France, Germany 190,407 tons, and other countries 17,796 tons, showing an aggregate of 1,110,974 tons for the year, as compared with 943,416 tons in 1880, and 760,529 tons in 1879. The exports of coke from France last year were 24,514 tons, as compared with 40,905 tons in 1880, and 20,589 tons in 1879. It follows that the excess of the imports of coke into France over the exports from France last year was 1,086,460 tons, while the corresponding excess in 1880 did not exceed 902,510 tons. The increase of the consumption of foreign coke in France last year which these figures indicate was, of course, not altogether without influence upon the French consumption of foreign coal in the same period.

#### THE DIVIDEND MINES OF 1881. BY EDWARD ASHMEAD, F.C.A.

The Annual Table relating to the Metalliferous Mines of 1881 worked by public companies, Limited and Cost-book, will be found on page 186 of this day's issue, making the sixth year that similar tables have been contributed to the Mining Journal. In the past year dividends have been declared by 25 British and 24 Foreign mine companies, as against 32 British and 26 Foreign in 1880. Referring in the first instance to the British section, it will be seen that the 25 companies whose united capital amounted to 890,326%, declared in [1881 in dividends a total sum of 139,508%, equal to 15½ per cent. for that year. In the preceding year (1880) the figures were 1,139,341% capital, 210,651%. dividends, and 18 per cent. The year 1881 in the British mines was, therefore, much below that of 1880, although considerably above that for 1879. The falling off in the total dividends in 1881 is the more noticeable, considering the activity that prevailed in Devon and Cornwall, generally regarded the special mining counties of the kingdom, and which it was well known, as regards the old established tin mines of Cornwall—were giving very profitable results throughout the year. The decrease in the total dividends for the year 1881 compared with 1880, will be seen by the following figures:—

[In mines. Copper. Lead and blende. Total. 1880, #103 800 Feb 350 Feb 350 Feb 351 Feb 651

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Decrease... £ 15,288 ... £20,314 ... £35,541 ... £ 71,143 A decline in the tin mine dividends could hardly have been looked for, particularly as the average price realised for black tin, as sold by the mines in 1881, was above the average of 1880.

An examination of the table will show that one or two mines have fallen of in wedgeting new last reason which fell of the contraction of the same transport of the same and the same and

fallen off in productiveness last year, which fall off has not been made up by other mines, such as Carn Brea, Tincroft, Wheal Grenville, &c., re-entering the Dividend List. It should be remembered that tin made the greatest advance during the latter souths of last year, and this would not tell on the dividends until the early part of this. Copper mines for dividends seemed to have eclined to their lowest, Devon Consols and South Caradon being obsent in 1881 from the List. Lead and blende give each a lower telallic average in 1881, compared with 1880, and the drop in price as prevented some half dozen mines from declaring dividends, alternating sufficient to carry on their work with full view.

advance on the previous year, 24 companies having paid 929,658l., against 26 companies paying 861,531l. in 1880. By far the larger part of this was paid by four companies alone, the Tharsis and Rio Tinto running near upon each other, paying on their share capitals 284,165l. and 225,000l., respectively, Richmond (silver-lead) paying 162,000l., and the Cape Copper 80,000l. The united share capital of the 24 dividend companies of 1881 give a total sum of 7,558,889l. The total dividend of the year on this represents nearly 12½ per cent. Indian companies are to this date non est as to mining dividends. "The survival of the fittest," it would seem, is now the question among them. One Indian company, fortunate in the sale of part of its property, divided the proceeds, which cannot be considered a mining dividend.

SAFETY LAMPS AND MINING EXPLOSIONS.—In a recent article in the Journal on the causes of explosions in mines we noticed what we considered an important omission in the evidence given generally at all enquiries relative to the deaths of persons by explosions of gas. We pointed out that an open lamp would easily lead to the ignition of gas, and that a man going to work at midnight, when there was no official in the lamp-room, in all probability would take a lamp contrary to the Act of Parliament, which requires that each lamp before being given out shall be examined by a person specially appointed for the purpose. This statement of ours has not been without effect in the direction we intended, for it bore good fruit at the enquiry held a few days ago as to the cause of the Abram Colliery explosion, when the importance of the lamp question, if we may so call it, turned out of some importance. On going to work late at night it appears that the duty of looking to the lamps was left to the hanger-on, who not only examined them but re-lighted them when such was necessary. But the key used for the purpose of locking and unlooking the lamps was left hanging by a nail to the side. It is, therefore, not at all surprising to find from the enquiry that one of the lamps that had been used by a miner who was killed was unlocked. One of the witnesses who escaped said that he tried his place, when he found a little gas in it, and his lamp went out about nine o'clock. He then went to the piteye and got another, using the key which was hanging there. "No one," he said, "saw him lock his lamp, nor did any one look at it before he went back." The witness, on being asked by a juror if he was aware that he could have been sent to prison for acting as he had done, replied "Yah; but there were men paid to do that work." We think this fully bears out what we have stated as to the importance of examining witnesses as to whether the Act of Parliament has been complied with as regards lamps, which we find on the first occasion that the ques SAFETY LAMPS AND MINING EXPLOSIONS.—In a recent article plosions which may occur.

TACQUAH GOLD MINES (TAMSOO-MEWOOSOO) .- The following was TACQUAH GOLD MINES (TAMSOO-MEWOOSOO).—The following was received by the last West African mail from the agent at Tacquah, Jan. 4:—"I have called upon the workmen at Tamsoo to empty the shaft from the lode, in which samples (1½ cwt.) were sent, assayed by Messrs. Johnson and Son, showing 6 czs. of fine gold to the 1 ton of ore, so as to go down and inspect. I have report of another kind of lode (yellowish) which is richer, and I am, therefore, engaging another set to sink another shaft. I have kept the third of the lode extracted, from which samples were sent, and I will keep all that can be extracted for the company. The native workmen employed until the company's regular shaft begins to work take two-thirds of the ore extracted instead of money pay, leaving the other third for the proprietors, now the Tacquah Gold Mines Company (Limited). Limited).

### HOUSEHOLD BOILER EXPLOSIONS.

The practical impossibility of rendering the so-called circulating house boilers free from danger has been so frequently demonstrated that it has been more than once proposed to absolutely prohibit their use by legislative enactment, and although from the succession of mild winters this much wanted measure has not yet been passed, the necessity of it has not been in the slightest degree diminished by the many inventions which have been brought forward in the attempt to lessen the number of fatalities inseparable from the use of boilers of this class. As the number of circulating house boilers in use is happily comparatively small, a brief description of the more common arrangements may not be out of place, and this can be readily obtained from a little pamphlet—Household Boiler Explosions, their Cause and Prevention—by Mr. Wm. Ingham, mechanical engineer, just issued by Crosby Lockwood and Co., of Stationers' Hall Court. By way of preface Mr. Ingham states that within the space of 10 days during January 1881 no less than 40 explosions of household and circulating boilers were recorded in the public papers, killing about a dozen persons and seriously injuring The practical impossibility of rendering the so-called circulating public papers, killing about a dozen persons and seriously injuring more than 20 others, and, he adds, that how many others may have happened which have not been heard of it is impossible to estimate. Taking only Mr. Ingham's recorded fatalities, however, it will be seen that the number and fatality of the explosions in kitchens during the period mentioned were greater than in the collieries of Great Britain, which are so loudly referred to as dangerous places of employment.

mployment.

Numbers of persons, as Mr. Ingham truly says, knowing themselves to be in the vicinity of one of these terrible engines of destruction—a circulating boiler—exist in mortal terror during the frost; and he explains that many take the safe precaution of not having a fire he explains that many take the safe precaution of not having a fire at all in the kitchen so long as the frost continues; but he properly mentions that this is a reliable protection only if the fire be not lighted until some time after the frost is gone. It should be understood that in all these circulating arrangements the principle is the same. The boiler at the kitchen fire is tightly closed, two pipes connecting the boiler with a reservoir in the upper part of the house. One pipe extends from the top of the boiler to some distance above the bottom of the reservoir, the other from the bottom of the reservoir to near the bottom of the boiler. The theory is that the colder water from the reservoir being heavier than the hot water in the boiler, will descend through the second pipe, whilst the hot water should ascend through the first pipe. This action sometimes takes place, but the knowledge of that fact is scarcely a greater recommendation than the certificate that he was sometimes sober, which mendation than the certificate that he was sometimes sober, which the Irish butler asked his employer to give him upon discharging him. So long or the beller the view of the state of the So long as the boiler, the pipes, and the reir are full num. So long as the boiler, the pipes, and the reservoir are full of individual responsibility that the precise condition of the mine up to water, and the pipes are quite free from obstruction, there is but it often unfortunately happens in practice that the pipes get choked, especially with many kinds of water supplied for domestic purposes, that steam accumulates at the top of the boiler, indicated by the "popping" constantly heard, and that in time of frost the proper storyed with ice and by preventing the free girgular.

to pieces like an eggshell under the pressure of steam which is inevitable in case of stoppage. It has sometimes been pretended that if ice were accumulated in clean pipes the steam would naturally melt it, so that if the pipes be kept clean all will be well. But there can be no more fatal error. An extremely small quantity of air between the steam and the ice will most effectually protect it from the greatest heat that the steam can be brought to. This is evidenced by a fact well known and utilised by every chemist, who will not hesitate to hold a small glass test tube in his naked fingers whilst he boils a liquid within it. All that is necessary is to place the finger firmly on the top of the tube before submitting the closed end to the flame; the confined air will be compressed near the finger as the liquid increases in temperature, and the compressed air will be so cold that even the boiling liquid at the bottom of the tube will not make the upper end inconveniently warm. There would be ample air from the water in a choked circulating boiler to supply the necessary compressed air cushion, and the removal of very little the necessary compressed air cushion, and the removal of very little water from the boiler would then suffice to create sufficient steam space to produce a fatal explosion. Mr. Ingham has evidently well considered the subject, and has made all the suggestions that can be regarded as necessary in order to mitigate the evil pending the prohibition of circulating boilers.

#### COLLIERY EXPLOSIONS.

The northern coal field is usually very free from fatal explosions, although the quantity of gas given off from the coal is as great as in other districts; but on Thursday afternoon a dreadful calamity occurred at the Trimdon Grange Colliery, near Hartlepool, by which it is feared 60 or 70 lives have been sacrificed. The colliery, which is owned by Mr. Walter Scott, employs about 300 men and boys, and nearly half that number were in the Harvey seam where the explosion occurred at the time of the accident. The first intimation of the explosion to those on the bank was a loud report and a simultaneous outburst of flame and rubbish up the Harvey shaft. The resident viewer, Mr. W. Wood, accompanied by John Lawrence, fore overman, Mr. Cook, underviewer, and other officials hastened to the pit bank, and as speedily as possible organised means for the relief of the sufferers. The cage was found to have been jammed some 30, yards from the bottom of the shaft, and therefore fully half an hour's delay took place before a kibble could be rigged for the resoue party to descend. This was done with all possible speed, the gentlemen to descend. This was done with all possible speed, the gentlemen

named being the first to descend.

The explorers reached the Harvey seam by the Low Main shaft, and by 4 o'clock effected a communication with the High Main, and a dozen or so were brought up all alive, but suffering more or less seriously from after-damp. Dr. Russell was soon on the spot, and under his superintendence the poor fellows were removed to their homes, and appear generally to be in a fair way of recovery. After this the work of rescuing the imprisoned men proceeded only slowly, owing to the debris encountered by the exploring party. Unfortunately little doubt is entertained that many lives are sacrificed and several horses killed. Robson states that when the explosion occurred he and four companions were sitting down. They were blown and by 4 o'clock effected a communication with the High Main, and curred he and four companions were sitting down. They were blown down senseless. He afterwards managed to crawl towards the shaft, but was blocked by the rubbish, and remained until found and brought to the bank comparatively uninjured. Everything possible orough to the bank comparatively uninjured. Everything possible is being done to facilitate further rescues, and experienced men from other collieries continue to arrive hourly. A remarkably sad feature of the explosion was that the afterdamp was driven into the workings of the Kelloe Colliery, two miles distant, through some old communication, and the result has been the suffocation of an underviewer, and at least three others.

viewer, and at least three others.

On Saturday last an explosion, resulting in the loss of six lives, occurred at the Coedcae Colliery, in the Rhondda Valley. The colliery, which is the property of the Coedcae Coal Company, lies between Pontypridd and Porth, being about three miles from the first-named place. At seven o'clock two repairers, named Warlow and Thomas, went down in the pit carriage about 40 yards along the side of the pit. They then stepped out of the carriage on to a wooden structure erected at the pit side to clear some curbing, and do necessary repairs. It had not been deemed essential to carry the safety-lamps, and the men took naked lights. Suddenly there was a dull report, and the gas rushed out of a fissure into the pit. The two men were killed, the gas fumes overpowering them, and the wooden framing on which they stood caught fire. It was promptly resolved to go down to the stage where the deceased had met their deaths, and see what injury had been caused. The names of the men who undertook to go down were Williams, ceased had met their deaths, and see what injury had been caused. The names of the men who undertook to go down were Williams, Rowlands, and James. The carriage was gently lowered, but the men had scarcely got 10 yards from the top when another report was heard, accompanied by a rush of gas. The unfortunate men experienced the full shock of the explosion, and all three were hurled aloft, and two falling back into the pit were almost instantly killed. Rowlands managed to grasp in his descent the pit guides, and clung to them for a short time. A helping hand was held out to him, and a rail was put across the pit's mouth to assist him, but a volume of dense poisonous smoke issued from the pit, and he fell dead. A collier ramed Williams, standing at the mouth of the pit, was killed by a piece of timber which was hurled out of the pit. A number of other men on the surface narrowly escaped with their number of other men on the surface narrowly escaped with their lives, and received serious injuries. One man was blown into the pit, but he was caught by one of the beams, and so was saved.

### MINE INSPECTORS, AND MINE ACCIDENTS.

With reference to the recent deputation to the Home Secretary from the Miners' National Association, it has been stated that the whole system of inspection and inquests is a sham. Periodically with every such deputation this stale assertion reappears. It is so utterly untrue, and is in fact such a gross libel on the whole body of Inspectors of Mines, as well as upon every colliery manager in the kingdom, that the North Star, an influential journal published at Darlington, in an interesting article upon the subject, emphasizes the absurdity of it. Persons practically acquainted with the subject are absurdity of it. Persons practically acquainted with the subject are well aware of its untruth, but the general public are apt to be misled by such statements. It is pointed out that to commence with the Inspectors, they are a body of gentlemen carefully selected for their practical and scientific training in the management of collieries and mines. It may be safely asserted that each Inspector is quite as cute as most colliery managers, and of ten much more so. When a scrious as most colliery managers, and often much more so. When a serious accident happens at a colliery it is the Inspector's duty to sift the origin of it if possible to the uttermost, and it is an easy matter for the Inspector to see if there is the slightest desire to withhold information. To do so now under the Mines' Regulation Act of 1872 is very difficult, because at each colliery so complete is the system of individual responsibility that the precise condition of the mine up to individual responsibility that the precise condition of the mine up to

includic average in 1881, compared with 1880, and the drop in price has prevented some half dozen mines from declaring dividends, declared hast year of the drop in the superior of the drop of the drop in the superior of the superior o

masters' Association offices, Middlesborough. The proceedings were private, but at the close it was officially stated that the arrangement come to in September last between the Cleveland and Scotch ironcome to in September last between the Cleveland and Scotch iron-masters for reducing the make of pig-iron by 12½ per cent. would expire on March 31, and steps were being taken to determine what course should be adopted with regard to the future, as to whether the restriction should continue or not. It has been decided that the com-mittee should confer with the representatives of Scotch makers, and it was believed that, upon reasonable conditions, a fresh arrangement might be brought about. The Cleveland stocks have diminished by 50,000 or 60,000 tons since September last, while the stock in the public stores in Glasgow has increased 40,000 or 50,000 tons in the same period. Some little modification in the previous terms will same period. Some little modification in the previous terms will probably be sought in any renewal of the existing arrangement, seeing that Cleveland has been shown to have performed much more than what was regarded as her fair proportion of the bargain.

#### THE AMERICAN TIN TRADE-STATISTICS OF TIN.

Jan. 1, 1882.—Stock in all hands, New York, Boston, and Phila-	
delphiaTons	2,050
" 1 1 1 7 W 11 11 1 1 1 1 1 1 1 1 1 1 1 1	

-		Straits and Ma	acca, int	to Boston ew York	nil.
"	,,	Australian,		,,	50
,,	9.9	L. & F.	99		20=
99	**	L, & F.	99	99	20-
Consumption	-During	January			Tons
Total Spot S	tock				
Afloat to da	te, Strail	ts and Malacca	, Dec. a	and Jan.	
Afloat to da shipments,		ts and Malacea mers			1,425

Totals in all hands, spot and afloat......Tons 2,870 The new year has opened with an excellent demand for nearly

every important article in the metal market, the leading feature being the steady improvement in the iron, tin, and tin plate trades, which gave rise to extensive transactions, stimulated by higher quo-

which gave rise to extensive transactions, stimulated by higher quotations from all the most important markets.

Pro Trx.—Within a very few days after the opening of the year increased enjuries on the part of consumers and out-of-town dealers led our principal dealers to enter this market as eager buyers of everything remaining available on the spot (say) from 800 to 900 tons, owned by European holders. This being secured at prices ranging from 24½c. to 25c., an active demand set in to secure December and January steam shipments at gradually advancing prices—from 24½c. to 25½c.—all offering being rapidly absorbed, the total transactions during the first half of the month mounted up to fully 2500 tons, consisting of sales and re-sales, spot and to arrive. By acting in this spirited manner our dealers succeeded in providing themselves with a part of their urgent requirements up to the end of March, just in the nick of time, before the commencement of the Chinese holidays, when old accumulated stocks in the East are usually brought to market, and when mining is generally suspended for some time. Notwithstanding this, however, the question still remains to be solved, how can we secure the whole of our requirements for some time. Notwithstanding this, however, the question still remains to be solved, how can we secure the whole of our requirements during the remaining months of this year?—as we cannot expect to receive as our share of the shipments from the East during the next three months more than during the past—(say) about 1500 tons—while our minimum consumption during that period cannot be estimated at less than from 2200 to 2300 tons per quarter. We shall consequently have to work throughout the whole year with a quantity

consequently have to work throughout the whole year with a quantity on the spot below our present estimate, viz. 1400 tons, thus enabling any bold operator to control this market by withdrawing or withholding a comparatively small quantity.

The London market opened quietly at about 1071. 10s. spot, 1091. futures; but as soon as our large purchases in the East became known there the demand quickened, and prices steadily advanced during the third week of the month to 1141. 10s. spot, 1151. 10s. futures. During the past 10 days, however, owing principally to the Bank of England rate of discount having advanced to 6 per cent., in consequence of the financial difficulties in France, prices have gradually declined, closing at 1071. spot, 1091. futures. Speculative transactions may have to be somewhat curtailed in that market in the near future; but as consumption continues to absorb about 1500 tons per tions may have to be somewhat curtailed in that market in the near future; but as consumption continues to absorb about 1500 tons per month at present prices, a reaction is sure to follow as soon as the fear of a financial crisis is allayed. At yesterday's Banca tin sale in Holland the usual quantity of 23,400 slabs fetched readily the average price of \$65.80 per 50 kilos, equal to about 1111. delivered. Subjoined are the figures of importations and floating supplies during the first month of the present year as compared with the same period last year:— Arrivals in New York and Boston, Jan. 1 to Feb. 1:- 1882.

Straits and MalaccaTons	mil.		89
Australian		******	
L. and F. and refined		*****	
Banca and Billiton			nii
TotalTons	70	*****	91
Afloat on Feb. 1:—			
Straits and MalaceaTons	1450		137
Australian un	knowi	1	_
Billiton			
TotalTons	1450		137
Our closing prices to-day are buyers at 24% at 25 s	pot fo	r Stra	itso

Malacca; Singapore quoted 34\(\exists\); Penang, 34\(\exists\); Exchange on London, 3s. 10d.—New York, Feb. 1. EDWARD P. WHITE AND CO.

### IMPROVED TELEPHONIC APPARATUS FOR MINES.

The transmitters in which more than one carbon contact is used have hitherto been for the most part made by attaching blocks of carbon to an elastic diaphragm, with connecting bars or rockers of carbon resting freely on and between these blocks, which bars are sensitive to the vibrations conveyed by the diaphragm. In these the diaphragm is a recipient of the sound waves. Mr. E. J. PATERSON, of Finsbury Park-road, proposes to dispense with the diaphragm and use several carbon blocks, of which one or more are fixed firmly to a base and electrically connected to one pole of a battery, while to a base and electrically connected to one pole of a battery, while he supports the remainder elastically from a fixed base, connecting them with the other pole of the battery. Or in some cases he supports all the blocks elastically from a fixed base. These various blocks he connects with one another by means of carbon rockers, and the sound waves to be transmitted will impinge directly on the carbons without the intervention of a disphragm. Thus without carbons without the intervention of a diaphragm. Thus without disturbing their arrangement, inter se, the moving carbons will be vibrated, and acting on a current passing through the instrument will produce the so-called undulatory state necessary to the reproduction of similar and equal vibrations in a diaphragm at the re-ceiving end with the assistance of electro-magnetic action.

Again, most carbon transmitters of this class are constructed with the diaphragm placed sloping; by this means there is a variation of incidence of the carbon rockers on their bearings, some pressing with more dead weight than others. The object of this is that as the acoustic waves produced by articulate speech are complex, some being of less and some of greater amplitude, it is necessary to have the various channels through which the current passes proportioned to these various factors, and this is the case when some press heavily and some lightly on their bearings, the lighter rocking easily and others less sails. others less easily. Mr. Paterson proposes to obtain this variation by using carbon rockers of different gauges, and therefore of different weights, and by this means he avoids the necessity for setting them on the incline, but can use them in either a horizontal or an upright position. This allows of economy and convenience in manufacture, and affords facilities in practical use. Various dispositions of the carbon blocks may be adopted; thus, for example, a simple and efficient arrangement is that in which one block is mounted elastically on end tension wires between two parallel fixed blocks, and mined. In July, 1878, a valuation was made by Mr. John R. William-

the three blocks are connected together by two sets of four rockers of varying gauge or diameter. Again, the middle block may be the centre of a group of fixed blocks, and connected with them by rockers arranged radially around the elastically supported block, which block may either be carried by tension wires or supported by a central wire. From these examples it will be seen that the instrument is susceptible of various modifications in its arrangement, the principle of construction being nevertheless strictly maintained.

#### HORNACHOS SILVER-LEAD MINING COMPANY.

Advices have been received of the forwarding to the port of ship-ment (Lisbon) of 43½ tons of high class ore valued at about 1200l. The dressing is going on regularly, and another parcel of excep-tionally rich ore from the Afortunada Mine will be ready for sending

The dressing is going on regularly, and another parcel of exceptionally rich ore from the Afortunada Mine will be ready for sending off by the end of the present month.

Settings for February Descuidado Mine.—2nd level, south of engine-shaft, by 4 men, at 48s, per metre. 3rd level, south of engine-shaft, by 4 men, at 48s, per metre. 4th level, south of engine-shaft, by 4 men, at 50s. per metre. Stope No. 1, in back of 3rd level, by 6 men, at 14s. per square metre. Stope No. 2, in back of 2nd level, by 6 men, at 14s. per square metre. Stope No. 3, in back of 2nd level, by 6 men, at 14s. per square metre. Stope No. 4, in back of 1st level, by 6 men, at 14s. per square metre.

The stopes are yielding very fairly, and the quantity of ore stuff brought to surface in January is estimated at 500 tons. The important discovery in the 2nd level south continues, and the forebreast is valued at 200 kilos. per metre of ore, assaying 150 ozs. of silver to the ton. The lode is widening out and improving in appearance.

Settings for February—Afortunada Mine: Engine-shaft sinking below 5th level, by 20 men, at 192, per metre. 1st level, south of engine-shaft, by 4 men, at 36s. per metre. 5th level, north of engine-shaft, by 4 men, at 56s. per metre. 5th level, south of engine-shaft, by 4 men, at 56s. per metre. 5th level, south of engine-shaft, by 4 men, at 56s. per metre. The level south, by 6 men, at 9s. 6d. per square metre. Rise No. 2, in 5th level south, by 6 men, at 9s. 6d. per square metre. Cross-cut east in the 3rd level north of engine-shaft, by 4 men, at 44s. per metre.

The quantity of ore stuff broken in January is estimated at 200 tons. Rise No. 2 is valued at 150 kilos. per square metre, or, say, 18%. per square fathom. Rise No. 4 had just been commenced and the 5th level south of engine-shaft is being driven in good ore.

#### VENTILATING AND WORKING COLLIERIES.

The absolute necessity of combining science or, as it is sometimes disparagingly called, theory with practice in studying the profession of an engineer is now so universally acknowledged that it would be regarded as displaying quite as much want of judgment to place the management of a mine in the hands of so-called practicals without management of a mine in the hands of so-called practicals without scientific knowledge as to entrust it to a mere theorist with no practical experience. Such works, therefore, as the "Treatise on Ventilating and Working Collieries," by Mr. J. A. Ramsay, M.E. (Newcastle-on-Tyne: Reil. London: Longmans), are of the utmost value, because they afford the practical miner to acquire sufficient scientific knowledge for his purpose without compelling him to master details of the science which have no direct bearing upon his particular calling. Mr. Ramsay's treatise is at once concise and systematic. He commences with a chapter on natural ventilation, and then treats in turn of ascensional ventilation, friction of air, projectthen treats in turn of ascensional ventilation, friction of air, projecting and laying out workings, consecutive working of different seams, furnace v, mechanical ventilation, recording the ventilation of col-

furnace v. mechanical ventilation, recording the ventilation of collieries, popular ideas on colliery ventilation, and a summary and suggestions; whilst by way of appendix there are plates of the Thornley air crossing and of water-gauges, and notes on recording work done by ventilating-engines, with form of book, and rules for measuring air in the mine, and form for registering in the office.

That explosions in collieries may be entirely prevented is, as Mr. Ramsay truly remarks, more than the most sanguine can expect. That they may be arrested is as certain as there is a limit to the discharge of the explosive mixture. Explosions do not generally occur at blowers, although it is possible they may arise from that cause. Explosions arising from accumulations can be prevented, as these accumulations can be swept out, if not entirely from the goaves, yet to such an extent as to render what remains in the higher reaches to such an extent as to render what remains in the higher reaches practically harmless. More victims fall by the deadly after-damp than by the blast of the explosion. Could the ventilation be speedily restored after the blast, there is no doubt that many lives would be saved, and valuable information as to the cause of the explosion might be obtained from the rescued. Mr. Ramsay's treatise is of sound practical value, and will certainly be largely referred to.

#### PAYING SERVANTS BY PERCENTAGE-CAPITAL AND RE-VENUE ACCOUNTS AND CHARGES FOR DEPRECIATION.

The action of Anderson v. John Nimmo and Son, which has been before the Court of Session for some time, has points of interest to coal masters or manufacturers who employ managers on a salary to fluctuate with profits. The defenders, Messrs. John Nimmo and Son, are coal masters at Limerig and Drumriggend, near Llamannan. They employed the pursuer, Mr. Anderson, to act as their works manager under the partners of their firm, at "the sum of 150t, sterlling per annum of fixed salary, and 10 per cent. per annum on the profits made from the works." The engagement continued till October, 1878, and thereafter parties differed in the adjustment of the percentage salary. The collieries were held under mineral leases. The colliery at Limerig had been in operation for many years before Anderson's engagement, but the separate colliery at Drumriggend was opened up during the engagement.

Mr. Anderson contended that in ascertaining profits for the purposes of such an agreement no deduction could be made for depreciation. On the other hand Messrs. Nimmo and Son contended that a charge must be made for depreciation, arising from the running of The action of Anderson r. John Nimmo and Son, which has been

tion. On the other hand Messrs. Nimmo and Son contended that a charge must be made for depreciation, arising from the running of the leases, the partial exhaustion of the mineral, and the waste of plant and machinery, and the repayment of the expenses of pit sinking. Mr. Anderson brought this action before the Court of Session in 1879 to have the percentage salary determined, and a counteraction was raised by Messrs. Nimmo and Son for repayment of a sum which, on their estimate of depreciation, had been overpaid. The cause came before Lord Adam, and the pursuer applied to the Court to remit the defenders' books to an accountant to report on the profits. To this the defenders pleaded that they had produced and rendered balance-sheets, and it was for the pursuer to state specific objections, indicating the items he disputed, so as to confine the remit to these. This contention for the defenders was sustained by the Lord Ordinary, and on the statement of objections being lodged Lord Adam, on Jan. 29, 1880, remitted them to Mr. John Turnbull Smith, chartered accountant in Edinburgh, to report John Turnbull Smith, chartered accountant in Edinburgh, to report John Turnbul Smith, chartered accountant in Edinburgh, to report on them. The pursuer objected that sums amounting to 9022. 13s. 10d. had been charged against revenue, which fell properly against capital, and that no depreciation should be allowed. In a first report by Mr. Turnbull Smith, in June, 1880, he reported on the detailed accounting, that in his view the whole of the objections of 90221. 13s. 10d. ought to be disallowed, with the exception of two items of 1091. 8s. and 701. 10s. 9d.

On the subject of depreciation regarding Limerig Colliery, the

On the subject of depreciation regarding Limerig Colliery, the reporter said:

Looking to the fact that the pit was on Oct. 19, 1873, upwards of four years acarer the termination of the lease than when Mr. Anderson entered upon his engagement with Messrs. Nimmo and Son it certainly does not seem to the reporter that income has been unduly charged with depreciation. The reporter has not thought it necessary to enter minutely into the amount of depreciation on each item, as he considers it sufficient to deal with the question of depreciation as a whole. The reporter is aware that Mr. Anderson is of opinion that no his share of profits. This is a question whatever should be charged against income before ascertaining his share of profits. This is a question which does not come within the reporter's province to deal with. He would merely remark that it does not seem possible to ascertain the profits of a coal work taken on lease, and leave out of view the important element of depreciation.

In the case of Drumriggend, the defenders had not during the regrid of the engagement carried charges for depreciation into their

period of the engagement carried charges for depreciation into their books, on the ground that until seams were somewhat opened up by

son, mining engineer in Edinburgh, who was accompanied by the pursuer, and Mr. Turnbull Smith adopted this valuation as a bass for determining the depreciation. The result was that by this report to found the pursuer was overpaid by 681. 18s. 4d. On a discussion of the report before Lord Adam he sustained the principle of charging depreciation, and as to its amount in the case of Drumrigged Colliery he remitted to Mr. Turnbull Smith to take the assistance of Mr. Lyrac Milkesth, mining engineer, Glasgow. The mining engineer Glasgow. Colliery he remitted to Mr. Turnbull Smith to take the assistance of Mr. James M'Creath, mining engineer, Glasgow. The mineral field was divided by a dyke or dislocation of the strata, and the pits were sunk only on the western of the two divisions thus made in the field. Mr. J. M'Creath reported the following system of depreciation:—

1.—Ten per cent. per annum on machinery, houses, furnishings, pit rails, warons, accounts.

rails, wagons, accounts.

rails, wagons, accounts.

2.—Five per cent. per annum on railway material account.

3.—According to the proportion which the acreage worked bean to the estimated acreage of workable coal west of the dyke, on carriage and cartage account, boring and pit sinking accounts.

4.—According to similar acreage, but estimating the coal on both sides of the dyke, on railway making account, and wayleaves account.

5.—Coactanth each year of the original cost in timber account.

sides of the dyke, on railway making account, and wayleaves account.

5.—One-tenth each year of the original cost in timber account.
On applying this system of depreciation Mr. Turnbull Smith reported that there was a balance due to the pursuer of 2031. Lord Adam a few days ago sustained the report thus made. The case illustrates very strongly the risk of difficult disputes in all cases of fixing on a salary to be fixed by a percentage of profits.

Counsel for pursuer, Mr. Frayner and Mr. Low; agents, Messre. Russell and Dunlop, W.S. Counsel for Messres. Nimmo and Son, the Solicitor-General and Mr. W. C. Smith; agents, Messres. Drummond and Reid. W.S.

and Reid, W.S.

#### THE GOLD FIELDS OF GUAYANA, VENEUZELA.

A grand step has been taken towards the opening up of these tast gold fields by means of a railway, which it is proposed to construct from the Port of Saravia, on the River Orinoco, up to Guacipati, which town is in the centre of the Callao, Potosi, Chile, and Alianza gold mining districts. The carrying out of this important work has been undertaken by the Guayana Company, of London, under an important concession granted by the Government and Congress of Venezuela. This company has dispatched a staff of engineers, under the direction of Mr. A. S. Truman, M.I.C.E., who arrived in the country in December last, and after a careful survey of the Orinoco, in conjunction with some of the oldest and most experienced five captains, and a large number of gentlemen interested in this important work, including General Pulgar Federico Dalla-Costa, Miguel E. Palacio, G. Susini de Sandoval, Dr. Asuncion Faudras, and between 30 and 40 others. The Port of Saravia (adjoining the old city of Guayana, where the forts erected by Sir Walter Raleigh still remain) was selected as the point of departure for the railway which is to open up this vast and rich country, and the engineers are now busily engaged with a large staff of assistants and workpeople surveying and finally locating the line through to the interior. It is estimated that this main trunk line will not be more than from 90 to 100 miles in length, and the surveys are expected to be completed in about two months, when the works will at once be vigorously proceeded with.

The port of Saravia is an excellent one, having a minimum detain grand step has been taken towards the opening up of these vas

ceeded with.

The port of Saravia is an excellent one, having a minimum depth of 22 ft. of water within a few feet of the bank and good anchorage for vessels, whilst the town of Guacipati, the inland terminus which has recently been decreed the capital of the mining districts, is healthy and well situated. The cost of inland carriage by mules and ox wagons at present varies from 50l. to 80l. per ton, whilst from three to four weeks, and often as many months, are occupied in the journey, to the detriment of the goods and machinery in transport. On the completion of the Trunk Line, which, it is expected, will be built for about 4000l. per mile, the journey will be accomplished in four or five hours, at a cost probably of less than one quarter of the amount which is at present paid for freight, and even at this rate very handsome dividends will undoubtedly be earned for the benefit of the shareholders in the Guayana Company.

### MANUFACTURE OF STEEL.

For the manufacture of steel by the Siemens-Martin process in in such a manner as to obtain products novel in their composition and properties, and especially suited by their strength and temper-qualities for the best and finest tools, some further improvements have been proposed by Mr. P. E. MARTIN, of Paris. They depend qualities for the best and finest tools, some further improvements have been proposed by Mr. P. E. Martix, of Paris. They depend chiefly on a preliminary preparation of ores, of metals, and metallolds, besides those of iron, manganese, or selicon, that is to say, of tungsten or welfram, chromium, titanium, cobalt, nickel, aluminum, magnesium, sodium, potassium, intended to dose the metal bath in the furnace. This preparation consists in a complete reduction and a carbonaceous, nitrogenous, or hydrogenous cementation of these ores by their prolonged contact in closed retorts with reducing agenrs such as carbon, ammoniacal and nitrogenous salts, hydrocarbons, and the like. The materials thus reduced to a peculiar spongy condition being supplied to the steel bath gave the steel novel composition and qualities of a highly advantageous character. The complete steel process consists of three operations—the reduction and cementation of the ores bringing the products to the spongy condition mentioned; the production of iron alloys of these products by melting them with iron which may have been dosed with manganese or the like; and the application of these alloys to the metal bath in the Siemens-Martin furnace so as to peoduce the improved quality of steel.

The first operation for reduction and cementation on the large scale is effected by subjecting a mixture of the ores or metalloids with carbon and substances containing cyanogen or hydrogen, cyanides, ammoniacal salts, carbonates, tartrates, nitrates, hydrocherates, hydro-carbons, to a long continued bright red heat in retorts which may be horizontal, vertical, or rotative. The reduction may be aided by passing reducing gas through the retort, thus obtaining a maximum of cementation with carbon, nitrogen, or hydrogen. The action is regulated so as not to fuse the materials, but by causing them to undergo reciprocal gaseous imbibition to bring them to a spongy condition, which is readily recognised by its hygrometric pro-

action is regulated so as not to fuse the materials, but by causing them to undergo reciprocal gaseous imbibition to bring them to spongy condition, which is readily recognised by its hygrometric properties. The reducing apparatus preferred consists of a series of tubes heated either by a regenerative furnace flame or by the waste gases of smelting furnaces, or by the combustion of fuel of inferior quality. These tubes are somewhat taper, being smaller at their tops where they are fed and larger at their bottoms, which are closed by valves or doors until the operation is completed.

The reduction and cementation may, however, be effected in cupolai as they are employed for the ferro-manganese and ferro-silicon applied in the production of mild steels. The ores and reducing agents are mingled in small fragments or powder, or in bricks or lumps made up with powdered charcoal about 10 per contracts.

up with powdered charcoal, about 10 per cent. of lime, cyanide of potassium, and sal-ammoniac. On the small scale crucibles may be used for the reduction and cementation. The ores and metalloid are bruised fine, and ultimately mixed with powdered charcoal, prescribed of soft could be soft and the small scale crucibles may be used for the reduction and cementation. ferably of soft quality, with sawdust, dried straw or leaves, pla ferably of soft quality, with sawdust, dried straw or leaves, purcontaining potassa or nitrogenous substances, or with peat in pasty or pulverised condition, with or without addition of a hydrocarbon. To these substances is added a little cyanide of potassium, with salammoniac or nitrate of potassa, nitrated carbon, or tartrate or carbonate of potassa or soda. The mixture is kept heated to bright red during one to four days without fusion.

The second operation for producing the iron alloys is effected by melting the spongy products obtained as above described in a cupols or smelting furnace, in which they are introduced either by them. meiting the spongy products obtained as above described in a cupolar or smelting furnace, in which they are introduced either by them selves or in alternate layers with iron ore, which may be more or less mixed with iron turnings. Thus alloys may be obtained of any desired proportions, as in the case of ferro-manganese, which may contain as much as 85 per cent. of manganese, and the alloys so produced may be termed ferro-carbibes of tungsten, chromium, polassium, &c., as the case may be. When the reduction and cementation are effected in a crucible the sponge need not be withdrawn therefrom, but may be fused in it with the addition of iron or ferro-manganese. As an example of the proportions that may be employed, ganese. As an example of the proportions that may be employed.

22 kilos of tungsten ore, or 14 kilos of chronium ore, containing

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\*\*Sper cent. of metal, with equal bulk of charcoal, and 60 grammes of prussiate of potassa or sal-ammonia may be mentioned. The third operation for applying the ferro-carbide alloys to the metal is effected by introducing them in the required proportions into the bath of metal in the Siemens-Martin furnace. The iron is melted at two heats. The first melting should be with charmold and hydrogenous or any other known materials tending to assist the conversion into steel. Sometimes the sponge may be introduced directly into the bath without previous alloying. The introduction of the sponge or alloy causes development of great heat, so, that the air supply must be reduced to save the furnace from destruction. The heat evolved causes elimination of most of the impurities, such as sulphur or phosphorus, by volatilising them, the substances which remain in the furnace being only those which can resist this elevated temperature, and which constitute the improved qualities of steel suitable for different uses according to the proportions of the ingredients, as may be understood from a few examples. A good steel for chisels, gravers, and the like was produced with pigion, 500; steel cuttings, 200; laminated puddled steel, 1530; pig, such as the St. Louis brand, 280; and ferro-carbide of tungstein, 30 = 2640 parts. The furnace was charged at 6 A.M., and run out at 5 P.M. A good steel for turning tools and files was produced with pigion, 300; puddled steel, 500; and ferro-carbide of tungstein, 40=840 parts. The dose of carbide could be increased, especially if hardness only be required.

The steel produced was analysed; the chisel steel gave—graphite,

pig-iron, 300; puddled steel, 500; and lerro-carbide of tungstein, 40=840 parts. The dose of carbide could be increased, especially if hardness only be required.

The steel produced was analysed; the chisel steel gave—graphite, slight trace; carbon in combination, 0·835; silicon, 0·289; sulphur, 0·085; phosphorus, 0·063; and tungsten, 0·010. The file steel gave—graphite, 0·134; carbon in combination, 1·627 (= 1·761); silicon, 0·376; sulphur, 0·074; phosphorus, 0·082; and tungsten, 0·496. The large proportion of carbon, 1·761 in No. 2, shows that a very considerable quantity can be introduced in order to produce very hard steel besides the alloyed metals or metalloids, thus neutralising the addiffects of impurities, such as phosphorus, sulphur, and silicon. The steel produced, as described, seems to differ from ordinary cast steel only in the special character of the aggregation of the molecules, which gives the metal great hardness und tenacifty, as shown by experiments, from which it appears that the steel untempered, having an average tensile strength of 78 kilogrammes per millimetre of section extended from 14 to 15 per cent., and that the tempered steel having an average tensile strength of 78 kilogrammes per millimetre cent. In a manner similar to that described other metal or metalloids may be alloyed with iron, such as aluminium, nickel, sodium, potassium, chromium, titanium, cobalt, and especially manganese or siltern producing new qualities of steel. And such alloys, if they loids may be alloyed with fron, such as adminding, maket, sodain, potassium, chromium, titanium, cobalt, and especially manganese or silicon, producing new qualities of steel. And such alloys, if they cannot be run as steel direct from the smelting furnace, may be run therefrom in such form that they can be employed in the Siemens-Martin or other furnace, or in the Bessemer converter in the pro-

#### SEPARATING LIME FROM MAGNESIA.

With a view to the separation of the lime and magnesia contained in dolomite, a process has been suggested by Mr. Stephen Cliff, of Wortley, Leeds, which consists in employing for this purpose the difference in the specific gravities of the different salts or combinations of lime (calcium) and of magnesium respectively. In carrying the invention into effect he uses either calcined or uncalcined dolomite, as may be desired, and he adds thereto sulphuric acid, any natural sulphate or sulphide, or any chemically or artificially produced sulphate or sulphide, in such proportions that the sulphuric acid or that contained in the sulphate or the sulphur compounds resulting from the roasting or otherwise treating the sulphide shall be sufficient to combine only with the lime (calcium) present in the calcined or uncalcined dolomite, appropriate heating and agitation, and water when necessary, being employed in the process; by these means sulphate or sulphide of calcium is formed, as the case may be. The specific gravity of magnesia being greater than that of sulphate or sulphide of lime (calcium) afterwards. He then removes the sulphate or sulphide of lime (calcium) by any suitable means, pretering to do so mechanically or by decantation, or by a combination of both. When uncalcined dolomite is used the magnesium will fall down as a carbonate. With a view to the separation of the lime and magnesia contained

will fall down as a carbonate.

As the magnesia will probably not be free from sulphate or sulphide of lime (calcium), it may be again washed and allowed to resettle as often as may be considered desirable to free the magnesia from the sulphate or the sulphide of lime (calcium) and other impurities that may be present. If desired, sulphurous acid or sulphurous compounds may be used in lieu of sulphuric acid. In this case the magnesia will fall as in the first, but the lime (calcium) will be in the form of a solution, which may be afterwards used or treated, as may be required.

### THE FU URE OF THE WYNAAD.

That much of the delay in the development of the Indian gold mines is due to natural obstacles not difficult of removal is now widely acknowledged, and during the recent visit of the Governor of Madras to the Wynaad many facts were brought forward which will guide those interested as to what is most required. In one of the petitions presented it was remarked that, the gold mining enterprise, which a short time ago it was considered by the experts would be restricted entirely to the Amshoms of South-East Wynaad near Devala, has, during the past year, rapidly extended itself through South Wynaad, where many gold mining companies have already been formed; and it has recently been proved that the quartz lodes of North Wynaad are in many cases as richly auriferous, as the best veins in South-East Wynaad. Several gold mining companies are an now being formed to work the auriferous quartz reefs in North Wynaad, and we are convinced that, if the results of the crushing of the companies already established in Colar and South-East Wynaad, and we are convinced that, if the results of the crushing of the companies already established in Colar and South-East Wynaad are as favourable as we confidently expect them to be, the gold mining enterprise will be firmly established in North Wynaad. Holding these views, we take this opportunity of trying to impress in your Excellency's Government, for improving the communications of Wynaad either by a railway or by tramways; the whole Taluq, and not only the south-eastern corner of it, now promises to develope into a most important gold field, and it appears in sessential that any railway or tramway scheme which may be projected by the Madras Government should provide carefully for the requirements of the whole Taluq, rather than for the most advanced portions of the gold-bearing area.

The advantages of a railway through Wynaad to connect Mysore with the Western Coast, both to imperial and local interests, are so well known to your Excellency's Government that we need not now the mor

with the Western Coast, both to imperial and local interests, are so well known to your Excellency's Government that we need not now do more than express the hope that it may be your Excellency's good fortane to see this railway completed during your term of office. Similar views were expressed in the petition of the Wynadd Finning and Mining Association, wherein it was remarked that the most important subject to which they would draw his Excellency's attention, is the proposed Mysore-Malabar Railway, the construction of which would make so material a difference in their prospects, that they beg its most carnest consideration at the hands of his Excellency. They were informed indirectly that the Mysore Government is most desirous, when funds permit, to continue its railway system to the Wynaad frontier, and the subject is one which, apart from local interests, is so important Province of Malabar by a direct railroad with Mysore, would go far to ward off future famines from the latter country, whilst the trade which would very large. They did not hewstern Coast and Mysore would very large. They did not leave that for the decision of the skilled engineering staff in the Government employ, but would respectfully draw attention to the fact that their district is the most important one in its coffee and fact that their district is the most important one in its coffee and larged; as a gold field, they may point to the number of mining

companies already established, and to the proved auriferousness of many of the private lands; and, lastly, they would draw his Excellency's attention to Major Mead's report on the Wynaad roads, and they asked for the better construction of the roads and bridges, and they asked for the better construction of the roats and bridges, and their better conservation; the speedy erection of a telegraph to connect this important district with the outer world; the granting of mining leases on a fair basis on Government land; the addition of a European force to the present police; the creation of Justice of the Peace; and the addition of a European ward to the hospital; and the placing of the control of the hospital in the hands of the local medical officer.

and the placing of the control of the hospital in the hands of the local medical officer.

In his reply, his Excellency said: As to the railway across your country, I am as anxious as you can be, that, whether as a result of the negociations now going on between the Home authorities and a private firm in London, or in some other way, the greatest of all your local wants may be supplied. . . . I have seen, and also felt, for that matter, the faulty construction and imperfect conservation of your roads and bridges. My friend Capt. Bagot and I might indeed be used as the temperance lecturer used his, by no means temperate, brother, as "shocking examples" of their defects, for a jolt, not much worse than many others, solved the continuity of the carriage in which we were travelling last Friday, and left us in a piteous plight enough. The extension of the telegraph is a mere question of time. . . . That there is gold in the Wynaad I can now testify from ocular inspection. That gold is present in paying quantities in many localities I am willing to believe. That much skill and not a few high qualities are enlisted in the development of our mines I am fully convinced. That you have an excellent set of miners I hear on all sides. But you have suffered, and will still suffer, from the operations of that class of persons who infest the great centres of commerce in the west, and who are to the armies of industry and enterprise as those camp followers who used to follow other armies, and gain for the legitimate combatant a bad name by robbing the dead and killing the wounded. That we may have in the future as little of such persons as possible in connection with your industry, is the best wish I can contribute to the prosperity of this beautiful and most interesting district.

#### INDIAN GOLD MINES-GREAT SOUTHERN MYSORE.

INDIAN GOLD MINES—GREAT SOUTHERN MYSORE.

The action of Gibb against the Great Southern Mysore Gold Mining Company, decided by Mr. Justice Manisty, will afford an enormous protection to capitalists, since it will in many instances afford them some guarantee that the purchase money charged to a joint stock company really represents approximately the value of the property to be acquired. The present was an action for the recission of a contract to take shares in the Great Southern Mysore Company, which was incorporated on Dec. 24, 1880, for the purpose of purchasing and working certain mining rights in the province of Mysore. Southern India. It appeared that the plaintiff had applied for and had allotted to him 2000 shares. He had paid a deposit of 2501 in respect of the shares, but now alleged that the prospectus on the faith of which he had been induced to apply for shares was untrue and misleading, on the ground that it concealed the fact that out of the nominal purchase money of 45,000L a sum of 13,000L had been paid to a promoter. Mr. Everitt, Q.C., and Mr. H. B. Buckley, appeared for the plaintiff; Mr. Rigby, Q.C., and Mr. C. H. Turner for the company; and Mr. Napier Higgins, Q.C., and Mr. Cozens-Hardy, Q.C., for the directors.

In the decision given there was not the slightest ambiguity, for Mr. Justice Mainsty remarked that this was one of the clearest cases for rescinding a contract that he had ever come across. Although a prospectus of a company might set forth a glowing and sanguine account of its prospects, yet the facts stated therein ought to be substantially true. The prospectus in the present case was misleading, and in one respect—namely, as to the amount of the purchase-money—absolutely false. The price of the property was stated to be 45,000L, and the plaintiff was, therefore, justified in believing that he was investing his money in property worth the sum named, whereas the facts were that he was really investing it in property worth only 32,000L, the sum of 13,000L having been paid to the pro

### DIRECT-ACTING STEAM PUMPS.

DIRECT-ACTING STEAM PUMPS.

Some important improvements in connection with direct-acting steam pumps have been invented by Messrs. PEARN and ADDYMAN, of West Gorton, near Manchester, these improvements being especially applicable where the valves of the main steam cylinder or cylinders are worked by a double-acting piston in a small steam cylinder, the object of their invention being an improved arrangement for cushioning the movements of the small piston and its connected parts, and their invention consists in so forming, combining, and arranging the cylinder, piston, valve, and ports, that the same small piston will not only work the valve or valves for the main steam cylinder, but cushion the movements. The cylinder, piston, and slide valve used are ordinary parts, but the cylinder is made with two ports for each end, one for steam to enter, the other for it to pass out or exhaust; the slide valve is made with extended lap at each end, so that in its central position all the ports will be covered. When the small slide valve is moved one way to admit steam at one end of the cylinder, the exhaust port at that end and the inlet port at the other end of the cylinder are covered, but the other exhaust port is uncovered. By the time the small piston has moved until the valve or valves of the main steam cylinder or cylinders has partly opened, the small piston will have covered the exhaust port left open, and the steam or mixed steam and air left at that end of the cylinder thus acts as a cushion, as there is no escape for it except by its pressure lifting the slide valve from its facing. The action is the same for the reverse movement.

If desired there is or may be a small lifting valve at each end of the small cylinder to allow steam when sufficiently compressed to escape from the cylinder into the steam-chest or into the exhaust cavity. The second part of the invention refers to means for governing the speed of the engine by regulating the throttle-valve supplying steam to the main cylinder or cylinders of dire

moved by a small steam piston and cylinder, and consists in combining with the throttle valve a ram or piston and spring or weight, the spring or weight opening the throttle valve, and the pressure of water pumped by a small pump attached to the engine acting upon the ram or piston by increase of pressure as the speed increases to close the throttle valve, this arrangement being similar to those described in their patent of September, 1880, for governing the position of a ram or piston carrying or in connection with a T-lever for working the slide valve of the small cylinder, the piston of which works the valve or valves of the main cylinder or cylinders, and this part of the invention also consists in combining the present improvements with the improvements described in the specification of the patent mentioned.

prising a similar history of the paleontology of the Jurassic rocks of Britain, the following 'gentlemen were elected the officers for the ensuing year:—President: J. W. Hulke, Esq., F.R.S.—Vice-Presidents: Prof. P. M. Duncan, M.B., F.R.S.; J. Gwyn Jeffreys, LL.D., F.R.S.; Prof. N. S. Maskelyne, M.A., M.P., F.R.S.; Prof. J. Morris, M.A.—Secretaries: Prof. T. G. Bonney, M.A., F.R.S.; Professor J. W. Judd, F.R.S.—Foreign Secretary: Warington W. Smyth, Esq., M.A., F.R.S.—Treasuer: Professor T. Wiltshire, M.A., F.L.S. The other members of Council are Messrs. H. Bauerman, W. Carruthers, F.R.S., R. Etheridge, F.R.S., John Evans, D.C.L., LL.D., F.R.S., J. Clarke Hawkshaw, M.A., Rev. Edwin Hill, M.A., G. J. Hinde, Ph.D., Sir J. Lubbock, Bt., D.C.L., M.P., F.R.S., S. R. Pattison, Prof. J. Prestwich, M.A., F.R.S., F. W. Rudler, Prof. H. G. Seeley, F.R.S., W. Topley, and Henry Woodward, LL.D., F.R.S.

Seeley, F.R.S., W. Topley, and Henry Woodward, LL.D., F.R.S.

From Mr. John B. Reynolds.—The markets continue to be in a very unsatisfactory state. Operators for the rise still endeavour to keep their bargains open in the hope that prices will rally. Sometimes it appears as if the hope was justified until some fresh cause for uncasiness transpires. For those who can take up and pay for what they buy, now without doubt is a good time to invest, notwithstanding it may appear as if quotations must yet rule more in favour of purchasers. Every bona fide buyer who comes forward relieves the market of a certain amount of pressure. In this state of matters it is not surprising that speculators are selling Grand Trunk descriptions freely. The history of this company might well be written for the information of those to whom money is of any value, and who are tempted every now and then to try a little speculation on the London Stock Exchange. The result of the South Devon meeting has been freely discussed in mining circles, and to many it has appeared incredible that such a discussion could have been raised simply because a director, who declares himself to be a share dealer, openly elects to follow up his profession or business by buying and selling shares in the company. This is we know delicate ground, but it would not be difficult to show that the director in question was the best friend the company ever had, and we are not surprised at the overwhelming result in his favour. Our information may be imperfect, and our conclusions wrong, but we feel quite safe in urging the South Devon shareholders to be unanimous and friendly together that their property may be vigorously worked and quickly tested. This is a Limited Company, and its success would in many ways result in his favour as we have had a surprise expressed that so much should have been done in such a short time to save this mine (not company) from collapse. The surprising feature to us, however, is how it comes to pass that these shares have no quotation when

METEOROLOGICAL SOCIETY.—The papers read at the meeting on Wednesday were—Notes of Experiments on the Distribution of Pressure upon Flat Surfaces perpendicularly exposed to the Wind, by C. E. Burton, B.A., F.R.A.S., and R. H. Curtis, F.M.S. In the present state of aero-dynamics it seems to be impossible to make an a priori investigation of the distribution of pressure on a surface exposed to the impact of the fluid in motion without introducing such limitations as under the solutions arrived at widely divergent from the results obtained by the experiments which have been hitherto made. The authors, therefore, proposed to themselves to attack the problem from the experimental side only, by a method which, as far as they know, has not been applied. In the case of air—the application of Pitot's tube, suitably modified in form to the simultaneous measurement of the pressures at the centre and at any air—the application of Pitot's tube, suitably modified in form to the simultaneous measurement of the pressures at the centre and at any en-centrically situated point of a pressure plate of known dimensions. The results of the preliminary experiments are given in the present paper—2. The Principle of New Zealand Weather Forecasts, by Commander R. A. Edwin, R.N., F.M.S.; 3. The High Atmospheric Pressure of the Middle of January, 1882, H. Sowerby Wallis, F.M.S. The electrical thermometer lent by Messrs. Siemens Brothers, for observing the temperature of the air at the summit of Boston Church Tower, was also exhibited.

LEAD MINING IN THE D'ERESBY MOUNTAIN DISTRICT.—The patience of shareholders seems on the point of being amply rewarded. Considerable attention is now centred in these mines, as there has been a good discovery in D'Eresby Mountain. North D'Eresby and Goddard's are also opening out well.

SANTA CRUZ SILVER AND COPPER MINING COMPANY.—A special meeting of shareholders was held yesterday to confirm the resolutions for voluntarily winding up the company, and also confirming the appointment of liquidators—Col. Cochrane, Mr. Sherson, and Mr. Gardiner. Since the meeting Mr. Sherson has died. A resolution was, therefore, passed confirming the winding up, and also confirming the appointment of the two remaining liquidators.

A RICH GOLD FIELD.—The Sydney Morning Herald of Dec. 29 says:—" Sensational finds are reported from Hanging Rock, near Nundle, a claim owned by a man named Ruzicka turning out ex-traordinarily rich, the fortunate holder up to last Saturday week having obtained 3444 oz. gold."

BWLCH.—The agent reports that the lode in the 50 east has greatly improved. In the stope in the 12 west, on the south lode, the lode is of great width and strength, and will yield fully 1½ ton of silver-lead ore per fathom. The other points in operation are also looking well, one point being worth fully 1 ton of ore per fathom.

WEST LISBURNE.—The London shaft, which commands the reserves of ore to the 46, has been timbered and secured, whilst the perpendicular shaft, to work the western portion of the mine, has been lined and put in thorough repair. The new powerful wheel will be ready in a few days, the wheel-pit, rods, and stand being put in position to receive it.

put in position to receive it.

EAST WHEAL ROSE.—The special monthly report for January from the directors and the agents, published in another column, must be satisfactory to the shareholders. The existence of Innes lode, above the adit lovel, for a distance of 600 fms. in length by some 40 fms. in depth, is very important, when taken in connection with the value of the silver-lead ore which is being raised from the lode from the three stopes already opened. The lode, it is stated, is a mine in itself capable of making returns independent of Middletons and the other lodes below adit. A fourth stope, we understand, will be opened on Innes lode in a few days.

The Scottish-American Investment Company's annual report reommends a further dividend of 5 per cent., and a bonus of 5 per cent, making total distribution for last year of 15 per cent. Half of the bonus is to be paid a March, and half with the interim dividend to be paid on account of the current year. After adding 25,000%, to the reserve fund, a balance of 761%, remains be carried forward.

The following applications have been made to the Stock Exchange Committee:—Explosives Company (Limited) shares, settling-day, and quotation; Consett Iron Company (Limited) shares, settling-day, and quotation; Hammond Electric Light and Power Supply Company (Limited) shares, settling-day, and quotation.

Mr. William Pearce, of Messrs. Elder and Co., of Glasgow, has joined the Board of the Milford Docks Company.

HOLLOWAY'S PILLS.—These pills are more efficacious in strengthening a debilitated constitution than any other medicine in the world. Persons of a nervous habit of bedy, and all who are suffering from weak digestive organs, or whose health has become deranged by affection, disordered stomach, or liver complaints, should lose no time in giving these admirable pills a fair trial. Coughs, colds, asthma, or shortness of breath are also within the range of the sanative powers of this very remarkable medicine. The cures effected by the pills are not superficial or temporary, but complete and permanant. They are as mild as they are effected out of the complete and permanant. They are females and young cnildren. Their action on the liver, stomach, and bowels is immediate, beneficial, and lasting, restoring order and health in every case.

# WATSON BROTHERS' MINING CIRCULAR.

WATSON BROTHERS, MINEOWNERS, STOCK AND SHARE DEALERS &c 1, ST MICHAELS ALLEY CORNHILL, LONDON

The position of D'Eresby Mountain Company is this: In June, 1881, in accordance with a request of the principal shareholders to the directors, a special meeting was held to propose certain resolutions to subdivide the shares and increase the capital of the company. These resolutions were passed and subsequently confirmed at a special meeting on July 5, 1881, and duly registered. The shares were subdivided into 35,840, and 9160 new ones created, so as to make up 45,000 limited and fully paid. Of these 9160, 3072 were offered pro rata to the shareholders at 1l. per share in the proportion of two shares for every 25 subdivided, or one original share. The balance of 3528 new shares were to be held in reserve by the directors. At present there are only about 40,000 shares, new issue included. Any of the shares out of the 3072 offered to old holders who were entitled to them and not taken up by them, the directors were empowered to dispose of to any other shareholders on such terms as they might think proper, but at not less than 1l. per share.

Mr. Doble informs the directors that so far as tested the experiments in the Langford poor ores are highly successful, and he is satisfied they can be returned to a good profit. It should be remembered that the furnace, which is not even yet complete or in full work, does not belong to the company, but the directors were allowed to have 30 tons of their poor ores sent to it and smelted as an experiment, and until the said 30 tons have been actually turned into matte, the exact cost known, and its value ascertained, it is impossible for us to say more than that so far as tried the process is a success. We hope to know more of the actual result before the general meeting, which will soon be held.

The hanging part of the Great Gorse lode, both at Aberllyn (Gwyder Amalgamated) and D'Eresby Mountain, is graphite, or as it has been termed shale. At Aberllyn there is any amount of it, and a sample now before us has all the appearance of good plumbago, and will write on paper; in fact, we are writing this with a large but awkward specimen to handle. At the Wheal George, situate near Aberllyn, graphite has also been discovered, and works for utilising it are, we understand, being erected. We shall watch the experiment with some interest, and hope it may be eminently successful.

Violet Seton has just sold 23 tons of silver-lead ores for 201. 9s. 6d. per ton—the highest price we have observed for a long time. The mine is also selling good parcels of copper, as it is in the midst of the Seton and the rich copper mines of Camborne. Up to this time it has been worked by one gentleman only, who has expended between 20,0001. and 30,0001. upon it, a boldness on the part of the gallant Colonel that ought to be rewarded by success. Many people in the neighbourhood have been anxious to join in the speculation, and we are informed that a Cost-book has been formed, dividing the mine into 6000 shares, all liabilities to be cleared off to the end of December last, and leaving 15001. cash balance in hand also to that date, and the Cost-book company to have credit for ores in the mine and ready for market valued at 10001. To show what has been done by the sole enterprise of one gentleman we may remark (having lately had the mine inspected). Three engine-shafts, 50 fathcms; Johnny's, 40 fathoms; and the following engines have been erected—a 70-in. cylinder pumping at Nicholl's shaft, a 66-in. ditto at Violet, and a 16-in. ditto at Wheal Johnny. Also 20-in. engine for winding and crushing, 12-in. ditto, 6-in. vertical engine for general purposes, and a 6-in. double-air compressor. A good deal of ground has been opened, and several good points in progress. The copper ore sales have been—Aug. 2, 1881, 3681. 12s. 8d.; Oct. 6, 4541. 1s.; Dec. 1, 6511. 10s. Violet Seton has just sold 23 tons of silver-lead ores for 201. 9s. 6d. gress. The copper ore sales. Oct. 6, 454l. 1s.; Dec. 1, 651l. 10s.

The new shaft at Wheal Crebor is now complete to the 132, and in a few days the lode will be cut through and new levels started east and west. This is the great point to which we have been directing attention for years past, and to accomplish which a vast amount of money has been spent, the shaft having been commenced from surface. In the 120 a rich course of ore was gone over for a long distance, and there is every reason to expect a good lode also in

the 132.

The No. 5 end south at D'Eresby Mountain has improved to 5 tons of ore per fathom—other points 3½ tons. An agent in the district (formerly at Roman Gravels and now at North D'Eresby) has written a friend in London regarding the mine; and as we have been favoured with a copy of the letter, and independent testimony is always acceptable, we give it here. "Ever since your first letter came taking notice of the improvement at D'Eresby Mountain I have made every enquiry and have seen Captain Sandoe. Examined all the stuff coming up from the mine, and I assure you if they can keep on winding such beautiful solid lead ore as I saw to-day (14th) they must decidedly have a good mine and no knowing the good it will do this district. It is the prettiest stuff I have ever seen in Carnarvonshire, precisely the same character of lode as the Roman Gravels at same depth from surface. Whoever lives to see it, I am sure there is a good mine in the D'Eresby Whoever lives to see it, I am sure there is a good mine in the D'Eresby Vein, such a body of carbonate of lime cannot fail to make a rich mine in depth

rich mine in depth."

At Clementina (Gwydwr Amalgamated) there has been a great flood of water this week from the bottom level end north (44). This for a time filled the level, and the shaft 2 or 3 fathoms high, and is an indication, in our opinion, of a course of ore near at hand. Above the 34 level large quantities of lead were raised and we have always looked upon this mine as likely to be one of the best in the district.

The directors of D'Eresby Mountain fixed this day (Friday) as the last on which applications from those entitled to a pro rata number of the issue of last July at 1l. each could be received; as it was hardly right or fair that those who had not hitherto applied, and had left the mine practically to be carried on by ourselves for some months past, should be able to apply when shares might be worth double the money on the market. Thus no more shares, we understand, will be issued by the company, and we are glad to learn that those already taken will place the mine in an independent position, and henceforth we shall look forward to profits.

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25000 Fortuna L Spain*t	2 10 2 0	0 1	14	23/ 41/	7 19	9 0 1	0Mar.	1881
60000 Frontino & Bolivia, g, New Gran.*†	2 0	0 4	W	21/4 31/4	0 8	0 0 2	0Sept. 0Jan.	1881
200000 La Plata, s-l, Leadvillet	2 0	0 2	14 2	16 236	0 10	U U U	5Mar.	1882
	3 0	0 5	½	14 514		10 0 3	0Sept.	1881
		0 1				6 0 3 per cent.	0July	1881
1000 Ditto, Decentures  3000 Oregon, g. Oregon, U.S. (pref. sh.)  50000 Panulcillo, c, Chili*†  25000 Pitangui, g, Brazil (in. 6000 £1 pd),  10000 Port Phillip, g, Clunes*†(£2 shares)  50000 Rara Fortuna, *s, Argent. Republic,  54000 Richmond Consol., s, Nevada*†  24532 Bio Tinto. *c, Mostrage Rid., Huelva 10	4 0	0			0 2	6 0 2	6Dec.	1880
50000 Panuleillo, c, Chili*†	4 0	0 5			0 16	9 0 3	6Oct.	1881
10000 Pontgibaud, s-l. Francet	0 10	0 11			0 1	0 0 1 6 0 7	0Sept. 3Dec.	1880
100000 Port Phillip, g, Clunes*†(£2 shares)	1 0	0	36	** **	1 14		10Feb.	1881
50000 Kara Fortuna, * s, Argent. Republic.	1 0				0 2	0 0 1	0Jan.	1882
24532 Rio Tinto, *c, Mortgage Bds., Huelva.10	5 0	U 27	14		13 11	6 0 10	0Feb.	1882
325000 Ditto, shares 1	u u	0102		24 25	0 18	er cent. 0 0 8	July 0Nov.	1880
225000 Ditto, shares	0 10	0			0 11	9 0 1	0June	
120000 Scottish-Australian Mining Co.*†	1 0	0 1	34 1	36 156	10	p. cent.	Oct.	1881
50000 Sentein, * s-l, bl, Ariège, France	0 10	0	34		0 2	p. cent.	Oct.	1881
92500 Sierra Buttes, O. California T	2 0		1/ 1	1/ 11/	2 2	6 0 1		1881
40625 Ditto, Plumas Eureka 100000 So. Indian, *g., Madras (fully pd.)  253000 St., John del Rey*1(£5 Stock and mult 92566 Tharsis, *c., sul., Spain (31000 s. 74. p.)  1 20000 Tollma, *g., *z. Colombia	2 0	0 2	14 1	3/4 2	2 13	0 0 3	0Apr.	1881
as 2000 St. John del Rey*t(£5 Stock and mult	inle	0 1	10	85 106	0 4	0 0 4	OAug.	1881
92566 Tharsis,* c, sul, Spain (31000 s. 7/, p.)† 1	0 0	0 43	1439	1/4 401/4	6 10	0 2 10	0June	1881
20000 Tolima,* g, s, Colombia	5 0			14 314		6 0 5	0Dec.	1881
253000 Bi. 30th der he; 142 Steet and multi- g2566 Tharsis, *c, std, Spain (31000 s. 7t, p.); 1 20000 Tolima, *g, s, Colombia 25000 Victorine (Nevada, U.S.) Deb. Bds 15000 Western Andes, s, Colombia	1 0	U			0 13	10 0 0	8Feb.	1881
15000 Western Andes, s, Colombia	1 0	0	***		2 18	6 0 0		1881
2100 W. Prussian (5500 pref. sh. £10 pd.) 10	0 0	0 10	***	9 10	4 2	0 0 8	6Aug. 0Apr.	1880
4 Have made call	sinc	e inst	divide	nd was	paid.			

-	NON-DIVIDEND BRITISH MINES. Shares. Paid. Last wk. Clos pr.	1
1	20000 Aleton Weited # / Combaniond 1 0 0	1
1	12000 Assheton, l, Carnarvonshire* 5 0 0 34 14 34	ı
1	12000 Assheton, I, Carnarvonshire* 5 0 0 34 14 34 11583 Bedford Unit.,* c, Tavis.(£1 liab.) 0 10 0 13 1 134	ı
1	12000 Assheton, i, Carnarvonshire* 5 0 0 4 1/4 3/4   11583 Bedford Unit.,*c., Tavis.(£1 liab.) 0 10 0 11/5 1 1/4 30000 Blackburnbanks & Gildersdale, i 0 5 0 1/5 1/5 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4	ı
1	30000 Blackburnbanks & Gildersdale, l 0 5 0   34   3 %   30000 Bodidris,* l, bl, Denbighshire	ı
1	30000 British,* s-l, bl, Wrexham	ı
	30000 Beune Consols,* s-l, Flintshire 1 0 0 —	ı
1	20000 Beline United, *!, Cardigan 0 17 6 2 1½ 2 50000 Cambrian, *s-!, c, Cardiganshire 2 0 0 36 ½ 36 50000 Carn Cambrone, *t, c, Cambrian 1 0 0 1 ½ 1 20000 Carnarvon, *t, c, Carnaryonshire 1 0 0 74 5 34 34	ı
1	50000 Cambrian, * s-l, c, Cardiganshire 2 0 0 36 36 36	ı
1	50000 Carn Camborne, * t, c, Camborne 1 0 0 1 3 1 20000 Carnaryon, * c, Carnaryonshire 1 0 0 3 3 34	
1	50000 Carn Camborne, * t, c, Camborne 1 0 0 1 ½ 1 ½ 1 20000 Carnarvon, * c, Carnarvonshire 1 0 0 ½ ½ ½ 37500 Carnarvonshire Cons. * t, Lianrwst. 2 0 0 1½ ½ 1½ 30000 Carpella Consols, * St. Stephens 1 0 0 ½ ½ ½ ½ 50000 Carpella Consols, * St. Stephens 1	
1	37500 Carnarvonshire Cons.,* <i>l</i> , Llanrwst. 2 0 0 1½ ½ 1½ 30000 Carpella Consols,* St. Stephens 1 0 0	
1	6000 Cathedral Cons., c, t, Gwennap 0 13 0	
1	6000 Cathedral Cons., c, t, Gwennap 0 13 0 2 24 2 24 2000 Central Foxdale, t, Isle of Man 1 17 6 24 2 24	
1	20000 Central Foxdale, *\(\int I_1\) fale of Man 1 17 6 2\(\int I_2\) \(\int I_2\) = 2 \(\int I_2\) \(\int I_2\) = 2 \(\int I_2\) = 25006 Coed-y-Fedw&Pant-y-Buarth, *\(\ild I_1\) = 1 0 0 1\(\int I_1\) = 1 \(\int I_2\) = 2450 Opok's Kitchen, \$\(\int I_1\) [logan],	
ì	2450 Cook's Kitchen, t, Illogant 30 14 9 3028 29	
1	15500 Court Grange United*, s-l	
1	Action   Corole Burn.   Cumberland	1
1	14000 Crosswood Mining Lands, l* 1 0 0 1% ¼ 1¼	ľ
1	45000 D'Eresby Mountain, l, bl, Llanrwst. 0 10 0 21½ 1½ 20000 Denbighshire Consolidated.* l 3 0 0 —	
1	20000 Denbighshire Consolidated,* i 3 0 0 — 12000 Derwent,* i, Durham	
1	12000 Devongashre Consolated   2   3   0   1/2   1/4   1/4   1/2	
1	60000 Devon Friendship, *c, ars, Tavistock 1 0 0 58 14	
1	12000 Devon Great United* (2l. shares) 1 5 0	
1	50000 Drakewalls, t, c Calstock 0 15 0 15 %	
1	10000 Dubby Syke, l, Durham* 1 0 0 1 6d. 1s.	
1	12000 East Blue Hills, t, St. Agnes 0 5 0 34 36 32	
1	6000 East Botallack, t, St. Just 0 8 0 134134 134	
1	6144 East Caradon, c, St. Cleer 1	
1	4000 East Chiverton, l, Perranzabuloe 10 7 3 21/13/4 21/	
1	12000 Devon Great United* (2 <i>l.</i> shares)   1   5   0   34   35   36   36   36   36   36   36   36	
1	30000 East Herodsfoot, s-l, Liskeard 1 0 0 11/6 1 11/6	
1	30000 East Herodsfoot, s-l, Liskeard 1 0 0 1½ 1 1½ 20000 East Long Rake,* l, Wales 1 0 0 1½1½ 1½	
1	21000 East Roman Gravels,* l, Salop 0 15 0 34 34 1	
1	18000 East Van, l, Llanidloes* 5 0 0 1 34 1	1
ı	2048 East Wheal Lovell, t, Helston 15 13 6 3 2 3	
1	100000 East Wheal Rose, * s-l, Newlyn East 0 17 6 1/2 1/2	
ì	2018 East Wheal Lovell, t, Helston 15 13 6. 3 2 3 100000 East Wheal Rose, *s-t, Newlyn East 0 17 6 *5 ½ ½ 12000 Gawton,*c, Tavistock (2½. shares) 1 16 0 \$5 ½ ½ 14000 Glenroy, *s-t, Isle of Man 4 0 0 \$5 ½ ½ 14000 Goddards,*s-t, b, Carnarvon 1 0 0. 1½ 1½ 1½ 10000 Goddards,*', t, b, Carnarvon 1 0 0. 1½ 1½ 1½ 12000 Godinan,*', t, Cardiganshire 1 0 0 1½ 1½ 1½ 1½ 12000 Gorsedd and Merllyn Oon, t, Flint. 2 10 0 1½ 1½ 1½ 120000 Great Dyilfee' (10000 sh. issued) 1 0 0 1½ ½ 1½ 120000 Great Poligooth United,*t 1 0 0 1½ ½ ½ ½ 100000 Great Poligooth United,*t 1 0 0 0 1½ ½ ½ ½ 100000 Great West Chivston t, Bt. Agnes. 0 5 0 3 4 ¼ 3 ½ 3	
I	14000 Glenroy,* s-l, Isle of Man	
1	30000 Gobbett, t, Dartmoor	
1	30000 Gobbett, t, Dartmoor   1 0 0 134 134 134 10000 Goddards, t, b, Carnarvon   1 0 0 134 134 134 132 32000 Goginan, t, Cardiganshire   1 0 0 134 134 134 134 134 134 134 134 134 134	
1	25006 Goodevere, t, St. Cleer	
1	2500G Goodevere, t, St. Cleer	
١	20000 Great Dyliffe* (1000 sh. issued) . 1 0 0 . 1½. ½ 1½ 100000 Great Polgocht United, * 0 0 0 1 0 0 1 ½ ½ ½ 6000 Great West Chiverton, 4, 8t. Agnes 0 5 0 ½ ½ 3	
ı	20000 Great Dyliffe* (10000 sh. issued) 1 0 0 1½ ½ 1½ 100000 Great Polgooth United,* $t$ 1 0 0 1 ½ ½	
1	100000 Great Polgooth United,* t	
ı	10000 Gwern-y-Mynydd, *s-l, Flint(pref.) 4 0 0 —	
I	70000 Gwydyr Anal.**, 61, Carnarvon 1 0 0 43 34 12000 Herodstoot, 1, near Listeard 1 0 13 9 14 34 13000 Hingston Down, c, Calstock*† 0 12 0 1 1 15 15	
ı	12000 Herodsfoot, I, near Liskeard 1 0 13 9 12 12 18000 Hingston Down, c, Calstock 1 0 12 0 1 11/2	
1	18000 Hingston Down, c. Calstock*† 0 12 0 1 76 156 20000 Kirkinichael, * ½ (2000 unissued) 1 0 0 156 1 156 6000 Killifreth, t. Chacewater	
ı	6000 Killifreth, t, Chacewater	
١	25000 Kit Hill Gt. Cons. *c, ars-m, (2l. sh.) 0 15 0 % \$8 %	
1	25000 Kit Hill Gt. Cons. c, ars-m, (2l. sh.) 0 15 0 % % % % 15000 Lady Ann, s-l, Linaurnon 1 0 0 1\% 1\% 30000 Lady Anhburton, s, Oallington 1 0 0 4 % % %	
1	30000 Lady Ashburton, s, Callington 1 0 0 1/4 1/4	
ı	15000 Lady Bertha,* c, Tavistock 1 0 0	
1	25000 Langford, * s, c, Callington 0 10 0 14 36 14	
1	2500 Levant, c, t, St. Just	
1	15000 Llandegla,* l, Wales	
1	15000 Lady Bertha,* e, Tavistock   1 0 0	
1	9000 Marke Valley, c, Linkinhorne 6 11 0 1/2 5/2 1/2	
1	6000 Medlyn Moor, t, Wendron 3 15 10 —	
1	28000 Mid-Devon, * c (& 17000, 3s. 4d. pd.) 0 6 8	
I	20000 Mona Consols,* c, Anglesea 1 0 0 114 1 114	
1	15000 Monkstown,* man, Devon 2 0 0 256236 236	
1	20000 Mostyn Consols,* s-l, Flint 1 0 0 21/2 2 21/2	
1	10000 Mynydd Gorddu, I, Cardigan* 4 0 0 4 3½ 4 12000 Morfa Du, z, g, s, Anglesea* 1 0 0 ½ ½ ¾	
I	28000 Mid-Devon, ** (& 17000, 3s, *d. pd.) 0 6 8	
1	80000 Mounts Bay,*c, t, Breage       0 15 0         8144 Mount Carbis, t, c, Redruth       1 5 0       3343½       3½         2400 New Cook's Kitchen, t, Illogan       8 10 0       4½3½       4	
1	2400 New Cook's Kitchen, t, Illogan 8 10 0 4½3½ 4	
1	8000 New Dolcoath, t, c, Camborne* 3 0 0	
1	100000 New Great Wheal Vor, t, Breage 0 10 0 1/2 1/2 1/2	
ľ	10000 New Holmbush, * t, c, Callington 2 10 0	
1	10000 New Holmbush," t, c, Callington 2 10 0 2 10 0 6000 New Kitty, t, 8t. Agnes 0 10 0 2 10 2 2 10 10 10 10 10 10 11 11 11 11 11 11 11	
1	12000 New Penrose,* t, c, Helston 1 0 0 1111/2 11/2	
1	15000 New Redmoor, var, Callington 1 0 0 1½ 1 1½ 3500 New Tincroft, t. Lelant	
1	3500 New Tincroft,* t, Leiant	
1	2000 New Trumpet, t, Wendron	
1	12000 New West Caradon, c, Liskeard 0 3 6 34 14 34 3000 New Wheal Peevor, t, Redruth 0 10 0 38 14 36	
1	35000 New Wye Valley, , Montgomery. 1 0 0 1 1	
1	20000 North Alfred, c, Phillack 0 10 0 13611/2 13/2	1
i	5328 North Busy, t, c, Blackwater 0 15 8 1/2 1/2 1/2	j

		_	_		
	NON-DIVIDEND MINES	_	con	tine	ted.
Shan	es.		aid.	Lo	st wh re-
10000	M. D'Eresby Mount.,* l, bl, Carnarv. North Goginan,* l, Cardiganshire North Green Hurth,* (3400 1l. pd.). North Herodsloot; l, Liskeard North Molton,* c, mn, t, Devon. North Penstruthal, t, c, Gwennap North Treskerby, c, St. Agnes Northern,* l, Durham Okel Tor,* t, c, a, Calstock Old Shepherds *-l, Cornwall Pandora,* l, Carnarvon	1	0	V:	7/4 1/108 20
25000	North Goginan, * 1, Cardiganshire	1	0	U	14
6400	North Green Hurth, * (3400 1l. pd.).	0	2	6	14 V 3
12000	North Herodsfoot, I, Liskeard	0	8	6	34 12 2
50000	North Molton, c, mn, t, Devon	1	0	0	- 74 74
6000	North Penstruthal, t, c, Gwennap	1	19	6	3/8 36 se
2936 8000	North Treskerby, c, St. Agnes	8	17	10	- " " "
40000	Northern, t, Durnam	1	0	0	1 1/1
80000	Old Chaphards a Compres!	1	15	0	11/2 1 14
12000	Pandors # / Cornewon	U	15	0	
		2	0	0	28 16 ×
45000	Pant-y-Mwyn, *I, Mold Parys Corporation, *c, Anglesea Pateley Bridge, I, Yorkshire Pedn-an-drae, t, Redrath. Pelyn Wood, c, Lanivery Pendarves United, c, Camborne. Pen-yr-Orsedd, *I, Flintshire. Perran Consols, *s-t. Pioneer, *sar, Wales Polrose, t, Cornwall	-	0	0	2/81% 24
7500	Pateley Bridge / Vorkshire	î	0	0	18 78 %
6000	Pedn-an-drea t Redruth	2	13	0	23/"
12000	Pelvn Wood, c. Lanivery	ā	5	6	3/4 3/4 4
600	Pendaryes United, c. Camborne	2	ő	0	24 16 M
12000	Pen-vr-Orsedd.* I. Flintshire	ĭ	Ö	0	11/"
15000	Perran Consols, * s-l	î	0	0	12 ··· × 18
00000	Pioneer.* var. Wales	î	0	0	12 % 18
10000	Polrose, t, Cornwall	ō	15	0	3/ 1/1/
10000	Port Nigel, * s-l, Carnaryonshire	2	0	0	27473 %
6000	Prince Royal, t, c, s-l, St, Agnes	1	0	6	
12000	Prince of Wales, c, s, Calstock	0	13	0	3/ " "
15000	Royalton,* t, St. Columb	1	0	0	1% 18 %
36000	Russell United,* c, Tavistock	0	15	6	116 4 1
30000	Silver Hill,* Callington	0	10	0	11/4 1 19
50000	Sinclair, * 1, bl, Whitford	1	0	0	11/2 1
40000	Pioneer,* ear. Wales Polrose, t., Cornwall Port Nigel,* s-l, Carnarvonshire Prince Royal, t. c., s-l, St. Agnes Prince of Wales, c., s. Calstock Royalton,* t., St. Columb Russell United,* c., Tavistock Silver Hill,* Callington Sinclair,* d., bt., Whitford Sortridge,* c., Horrabridge South Carbis, t. c., Redruth So. Devon Unit.,* c., Buckfastleigh. South Dolocht, c., t. Hiogan South Penstruthal, t.c., Gwennap. South Wheal Crebor*, c., Tavistock South Wheal Crebor*, c., Tavistock South Wheal Crebor*, c., Hogan Tamar, s-l, Bearnlaton* Tankerville Gt. Consols, l, Salop*. Teesdale,* l, Durham (pref.) Tin Hill,* t. St. Stephens. Temple,* l, Cardigan Tregumbo,* l, c, Cornwall Trevime Consols, l, G wennap	1	0	0	3/4 36 2
6000	South Carbis, t, c, Redruth	0	10	0	136116
35000	So. Devon Unit., c, Buckfastleigh.	1	0	0	1% 136 12
5000	South Dolcoath, c, t, Hlogan	0	12	0	1 3/1
6000	South Penstruthal, t,c, Gwennap	1	17	6	1/2 14 4
6000	South Tolcarne, t, c, Camborne	9	14	0	234 23/ 24/
40000	South Wheal Crebor, c, Tavistock	.1	0	0	1/8 1 14
2043 40000	Toman of Boardaton's	13	14	6	8 1/2 8 81/4
10000	Tankerville Gt Consols / Salon*	1	0	U	1/41% 1%
6400	Toesdale * / Durham (pref )	ų	15	0	14 1/2 1/2
20000	Tin Hill * t. St. Stephens	•	0	0	/4··· /4
10000	Temple, * L. Cardigan	î	Ö	0	1741% 1%
6000	Tregumbo, * t. c. Cornwall	•	nil		v "in
12000	Trevince Consols, t, c, Gwennan	0	5	0	X1 1 14
10000	Tyn-y-Fron, * 1, Cardiganshire	ĭ	Ö	0	11/ 19 14
35000	Un. Van & Glyn, * 1, (& 17500 pref. ah)	î	0	0	5/ 2/ 1/
1000	Vaughan, * 1, Cardiganshire	10	Ö	0	78 78 76
18000	Victor, * I, Cilcen, Flintshire	0	14	0	16 10
20000	Walkham United,* t, c, Tavistock	1	0		75 ··· 4 1/
12000	West Assheton, I, Carnarvon	1	0	0	2 1% 2
12000	West Caradon, c, St. Cleer	0	7	3	1 1/4 1
3000	W. Craven Moor, I, Pateley Brdge*	10	0	0	
12000	West Crebor, c, Tavistock	0	5	0	36 16 11
10240	West Devon Consols, c, Calstock	1	0	U	11/2 1 1/4
10000	West Godolphin, t, c, Breage	0	18		
6000	West Kitty, t, St. Agnes	0	12	0	814814 814
20000	W. Lisburne, L. (12. Sh.) Cardigan	1	0	U	11/4 1 11/4
3000	West Mary Ann, t, Menneniot	1	13	0	1 % 1
20000	West Phoenix t c Linkinhous	1	0	0	1 11
12000	West Polbreen t. c. St. Agree	0	16	2	14 1 14
5190	Tregumbo, * t, c, Gornwall Trevinec Consols, t, c, Gwennap Tryn-y-Fron, * t, Cardiganshire Un, Van & Glyn, * t, (& 1750) pref. sh) Vaughan, * t, Oardiganshire Victor, * t, Olicen, Flintshire Welt Cardon, c, St. Cleer W. Craven Moor, t, Carnarvon West Cardon, c, St. Cleer W. Craven Moor, t, Pateley Brdge* West Crebor, c, Tavistock West Godolphin, t, c, Breage West Godolphin, t, c, Breage W. Lisburne, * t, (1t, sh.) Cardigan, West Mey Ann, t, Menheniot W. Pateley Brdge, t, Yorkshire West Polbreen, t, c, St. Agnes West Polbreen, t, c, St. Agnes West Polbreen, t, c, St. Agnes West Vor, * t, Helston West Vor, * t, Helston West Peans Panes t Illower.	0	0	0	11/2 11/2 11/2
10000	West Vor. * t. Helston	2		0	0 5% 6
2043	West Poldice, St. Day! West Vor, t. Helston West Wheal Frances, t, Illogan! West Wheal Frances, t, Illogan! West Wheal Pevor, t, Redruth West Wye Valley, t, Montgomery, Wheal Agar, c, Illogan! Wheal Bosset, c, Illogan! Wheal Bosset, c, Illogan! Wheal Cotes, t, st. Agnes. Wheal Coit, t, St. Agnes Wheal Coit, t, St. Agnes W. Comf., & No. Tres., t, c, Gwennap Wheal Elizabeth, t, Cornwall Wheal George, t, t, Agarnam Wheal George, t, t, Karnamon Wheal Jane, t, Kaai Wheal Jane, t, Kaai	31	8	0	12 1% 2
3000	West Wheal Peevor, t. Redruth	3	ő	6	
12000	West Wye Valley, * 1, Montgomery.	3	Ö	0	141/213 14
6000	Wheal Agar, c, Illogan!	14	6	0	131411 19
6144	Wheal Basset, c, Illogan !	6	1	0	51/4 5 54
3000	Wheal Boys, t, Redruth	0	16	0	214 134 91
12000	Wheal Coates, t, St. Agnes	0	2	0	16 1/
6000	Wheal Coit, t, St, Agnes	1	ril		112 274
2585	W. Comf., & No. Tres., t, c, Gwennap	2	2	0	214 2 24
50000	Wheat Elizabeth, t, Cornwall	1	0	0	
5000	W. Fortune, s, c, ars, Harrowbarrow	1	0	U	3 234 3
15000	Wheal Jane t Kent	1	0	U	314 3 314
12288	Wheal Jamel a St Hilland	1	14	£	134 1 1
	Wh Hony and Trelawny e./ Tiele	0	18	U	18 36 16
25000	Wheal Lusky, t. Callington	4	0	0	2 14 2 214
12000 2000	Title - 1 Charles 4 Ct Treet?	0	3	0	17 12 1/4 1/4
6000	Wh. Prussia, & Cardrew, t.c. Potette	9	0	U	11/ 9 11
6000	Wh. Prussia, & Cardrew, t,c, Rdrth Wheal Sisters, t, Lelant	3	10	0	11/4 1 11/4
4096	Wheal Uny, t, c, Redruth	16	2	0	11/4 1 11/4
4000	Wheal Uny, t, c, Redruth	1	Ö	0	3/4 ·· 3/4
		-			74 75 %
	Manda, a conner, a mile 11	-	-		
61,	blende; c, copper; g, gold; l, lead	; 8	, sil	ver;	si, slate:

bl, blende; c, copper; g, gold; l, lead; s, silver; zl, slate;
 s-l, silver-lead; t, lin; z, zlnc; i, iron; a, arsenic.
 Limited Liability Companies; f quoted on the Stock Exchar I have paid dividends.

# NON-DIVIDEND FOREIGN MINES; FOREIGN AND MISCELLANEOUS STOCKS; TRAMWAYS; INSURANCE COMPANIES; GAS, IRON AND COAL, WAGON COMPANIES, &c.

NON-DIVIDEND FOREIGN	MINES.	NON-DIVIDEND FOREIGN MINES continued
Sharet.	Pard. Clos. pr.	NON-DIVIDEND FOREIGN MINES—continued Shares, Paid, Clos. pr
50000 Akankoo. d. Gold Cat. (100000 iss.)	0 7 6 16 36	25300 Pubusand Daniel
64880 Anglo-African, d, Kimberley, T	2 0 0 71/2 81/4	34022 San Pedro,* c, Chili
12000 Arendal, c, Norway 120000 Asia Minor, s.l, Lidjessy, Sivas	0 7 6	120000 Santa Cruz * sul e Parrol Spain 1 0 0 16 9
20000 Best hand to Norway	2 0 0 114 154	200000 Houseak & Cotto Atom A. I Western 1 0 0
30000 Brataberg, * c, Norway	2 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100000 South-East Wynand, g, Indiat   1 0 0 1 13
200000 British Australian, *g, N. So. Wales	1 0 0	160000 Tambracherry, g, Wynaad 1 0 0 1/4 1
18000 Broadway, g, California	5 0 0 6% 6%	150000 Taunus, * s-l, c, Germany
10000 Buena veneura, o, spanicis, passes		100000 Tocopilia, * c, Bolivia
30000 California,* g, Colorado 130000 Callao Bis,*g, Venezuela	1 0 0	43174 United Mexican, *17 s, Mexico 29 10 3 1 150000 Virneberg, c, Rheinbreith, Ger.* 2 0 0 14 3
130000 Callao Bis, g, Venezuela	1 0 0	10000 Virke Pen.   20   0   3   1   2   3   3   3   3   3   3   3   3   3
15000 Canada, g 82500 Canadian, c, sul, Canadat	1 0 0 11/4 13/6	100000 West Frntno & Boliv.,*g, Colombia 1 0 0
23000 Central Jagersfontein Diamond*	5 0 0 114 214	100000 Wynaad District,*g, India
		80000 Wynaad Perseverance, *† g 1 0 0 ¾ 1
100000 Cherambani (Wynama) District, "S. 500000 Chille," g, Venezuela. 108505 Chontales, g, s, Nicar, "† (93000 iss) 75000 Colora, "g, Mysore	1 0 0 36 56 1 0 0 16 3/16 0 15 0 26 3/16 1 0 0 36 16 5 0 0 156 116	75000 Yorke Peninsula, c, So. Australia† 1 0 0% 1 54800 Yorke Pen., c, South Aust. Pref.† 1 0 0 % 1 140000 Yuba River, *g, hyd, California 0 15 0 % 2
106505 Chontales, g, s, Nicar. (98000 188)	0 15 0 3/16	54800 Yorke Pen., c, South Aust. Pref.† 1 0 0 ¾ 1 140000 Yuba River,*g, hyd, California 0 15 0 ¾ 3
75000 Colombian Hydraulic, q. Colombia	1 0 0 36 14	zasante, y, nya, camorna v 10 v /4 /
65000 Colorado United, s-l Colorado 11	5 0 0 154 114	
100000 Cootacovil, g, Wynaad	0 10 0 14 14	
62500 Corp. So. Aust. Cop. (44813 sh. 1/2pd)	1 0 0	
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205168 Eberhardt, s. Nevada*†	1 0 0 36 56	10000 100 Ditto, Marine
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65000 Eureka, * s. Nevada	1 0 0	50000 50 Eagle 5 6½ 7
100000 Exchequer, g, s, California*†	1 0 0 1/6 1/4	5000 20 Globe Marine [L] 11 % 1%
160000 Flagstaff District, * s.g. Utah	1 0 0 36 36	27500 100 Imperial Life
65000 Gold Coast,* g, Wassau	1 0 0 36 36	100000 10 Lion Fire [L] 2 11/4 13/
140000 Gold Hill, g, North Carolina	1 6 0 1 1%	49626 20 L'pool & Lond, Globe (£1 annty) 2 22 24
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12000 Hultafall, * l, bl, Orebro, Sweden .	5 0 0	50000 10 Merchants' Marine 2 1 1/4 13
150000 Indian Consolidated,* g	1 0 0 14 14	50000 10 Maritime 2 6 7
100000 Ind. Glenrock, * g, Wynaad †	1 0 0 36 1/8	40000 50 North British and Mercantile 834 67 70
150000 Indian Mammoth, g, Chulimulia.	0 5 0	30000 10C Northern
150000 Indian Phonix, g, Wynaad	1 0 0 34 1	- Phonix Fire
150000 Inabelle,* q, s, California	1 0 0 34 1 1. 0 0 36 11/16 1 0 0 34 76	200000 10 Queen 1 3¼ 3¼
150000 Isabelle,* g, s, California	1 0 0 1/16 3/16	100000 10 Railway Passengers 29s 7 7%
50000 Javali, g, Nicaragua*	2 0 0	200000 5 Rock Life
100000 Kapanga, g, New Zealand	1 0 0 36 34	135000 20 Lancashire
65000 London and California, g*t 1	2 0 0 1/16 3/10	4000 20 Standard Marine 4 5 % 5 %
135000 Madras, g, Mysore	1 0 0	10000 20 Thames and Mersey Marine [L]. 2 123/ 133/
100000 Michipicoten," nat. c, Quebeo 9000 Missouri, l, pref (fully paid) 50000 Moselle, l, b-l, Germany 135000 Mysore Reefs, g, Indiat 120000 Mysore Reefs, g, Madras 40000 Nava de Jadraque, g, g, s, Spain 37000 N. Gold Run, hyd, Cal. (& 27)00 pref 100000 Nine Reefs, g, Kolar, Mysore 75000 Noway, c, Halsönön and Radön. 200000 Noway s, Halsönön and Radön. 100000 Nundydroog, g, Mysore 15000 Olathe, s-l, Leadville, Colorado 125000 Ooregum, g, Mysore	1 0 0 1% 1%	40640 20 Union Marine, Liverpool [L] 314 41/4 51/4
50000 Moselle * l. b-l. Germany	10 0 0	50000 20 Universal Marine [L] 3 7½ 8%
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75000 Norway.* c. Halsönön and Radön.	1 0 0	Shares, Company, Pard, Price.
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150000 Oirtee, **-i, Leadville, Colorado 125000 Ooregum, *g, Mysore	1 0 0 1/4 1/4	16 Fore Street Warehouse [L] 14 0 17½ 18½ 15 Foster, Porter, and Co. [L] 10 10 16 17
150000 Parcherry, g, South-East Wynaad.	1 0 0	7½ Imperial Credit [L] 7 10 6½ 6¾
80000 Pestarena United, g, Italy 1	3 0 0 3/16 5/16	10 Milner's Safe [L] 10 0 934 1034
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100000 Placerville, q, q, California	1 0 0	10 Pawson and Co. [L] 6 0 51/4 51/4
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100000 Providence, g, s, California	1 0 0	Stk. Ditto New Ordinary 50 0 95 105
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6	200000 South-East Wynaad , I ndiat   1 0 0   1 1/4
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8	80000 Wynaad Perseverance, † 9 1 0 0 ¾ 1 75000 Yorke Peninsula, c, 80. Australiat 1 0 0 ¾ 1 54800 Yorke Pen., c, South Aust. Pref. † 1 0 0 ¾ 1
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	5000 20 Globe Marine [L]
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	WINGS I AND TO SEE THE SECOND
	MISCELLANEOUS Shares, Company, Pand, Price,
	Shares. Company. Pand. Price.
	10 Brighton Aquanum [L] 10 0 31/4 4
	25 City of London Real Property 12 0 15½ 16 16 Fore Street Warehouse [L] 14 0 17½ 18¾
	15 Foster, Porter, and Co. [L] 10 10 16 17
	10 Milner's Safe (L) 10 0 932 1032

DIVIDEND FOREIGN MINES—continued.	IRON AND COAL COMPANIES
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an Pedro, *c, Chili 117 6 4 13 14 6 4 14 15 16 16 17 17 6 4 17 6 4 18 17 6 4 18 18 18 18 18 18 18 18 18 18 18 18 18	5 Alltami Colliery Co. [L]
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outh-East Wynaad, q, Indiat 1 0 0 1 134	10 Benhar Coal Co. [L]
ambracherry, *g, Wynaad 1 0 0 1 aunus, *s-l, c, Germany 1 0 0	10 Bilbao Iron Co. [L]
ocopilla, * c, Bolivia 0 10 0 34 1	100 Brown, John, and Co. [L] 75 0 60 60/2
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ouback & Catir Alan, **e-l, Turkey.       1       0       0       1       14         unth-East Wynand, g., Indiat       1       0       0       4       1       3       1       4       1       1       4       1       4       1       4       1       4       1       4       1       4       1       4       1       4       1       4       1       4       1       4       1       4       1       4	100 Cammell and Co. [L] 80 0 74 741/2
ynaad District,*g, India 1 0 0	
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orke Peninsula, c, So. Australia† 1 0 03/18 3/16 orke Pen., c, South Aust. Pref.† 1 0 03/1 3/16 uba River, g, hyd, California 0 15 03/1 3/16	50 Chatterley Iron Co. [L] 50 0 8 4/ 9 10 Chillington Iron Co. [L] 10 0 2 1/3 3
doe River, g, nya, Camornia 0 15 0 74 75	
	1 Consett Spanish Ore [L]
The state of the s	23 Ebbw Vale Co. [L]
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INSURANCE COMPANIES.  hares. Pd. Clos. pr.  Alliance British and Foreign 11 36 38	50 Knowles, Andrew, and Co. [L] 25 0 13 13½ 20 Llynvi and Tondu [L] 20 0 8 8½ 10 Lydney & Wigpool fron Ore [L] 9 12 1 2 10 Marbella Iron Ore Co. [L] 10 0 6 6½ 10 Millend Lene Co. [L] 10 0 6 6½
10 Talat ar 1	10 Lydney & Wigpool Iron Ore [L] 9 12 1 2 10 Marbella Iron Ore Co. [L] 10 0 6 61/2
Ditto, Marine   L	
io Eagle 5 23½ 24½ 5 6½ 7	4 Mwyndy Iron Ore L. 3 15 1 126
0 Globe Marine [L] 11 34 14	
0 Indemnity Marine 50 19 20	10 Newport Abercarn Coal Co. [L] 10 0 81/4 9
O L'pool & Lond, Globe (£1 annty) 2 22 24	35 Palmer's Shipbldg. & Iron [L] 35 0 30 31 100 Parkgate Iron Co. [L]
25 London	20 Patent Nut and Bolt [L] 14 0 24½ 25
O London and Provincial Marine 2 4% 5%	50 Rhymney Iron Co. [L] 50 0 28 30 10 Bandwell Park Colliery Co. [L] 10 0 14 16
U Merchants Marine 2 1% 1%	10 Sandwell Park Colliery Co. [L] 10 0 14 16 100 Shotts Iron Co. [L]
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C Northern 5 51 1/2 52	50 Somorrostro Iron Co. [L] 50 0
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1   3¼ 3¼     10   24   25   25   25     10   24   25   25     10   24   25   25     11   24   25     12   24   25     24   25   25     25   25     26   26     27   28     27   28     28   28     29   24     20   24     20   24     20   25	5 Teesside Iron & Engine Works 5 0 21/16 23/16 50 Tredegar Iron and Coal, A [L] 30 0 27 28
Rock Life	50 Tredegar Iron and Coal, A[L] 30 0 27 28 25 Ditto ditto B 25 0 23 24
0 Sea(ex div.) 23½ 3¾ <sub>16</sub> pm 20 Lancashire 27½ 8	25 Ditto ditto B 25 0 23 24 20 Ulverston Mining Co, [L] 16 0 10 Vancouver Coal [L] 6 0 3
20 Standard Marine	25 W.Cumberland Iron & Steel [L] 20 0 13 14
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ighton Aquatium [L] 10 0 31/4 4	50000 20 Bank of New South Wales all 60 62
ty of London Real Property 12 0 15½ 16 ore Street Warehouse [L] 14 0 17½ 18½ oster, Porter, and Co. [L] 10 10 16 17	100000 10 Bank of New Zealand
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	GAS COMPANIES.
is	Issue. Shares.   Pd. Cist. n.
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n	TRAMWAYS.    Issue. Shares.   Pd. Co. #   40000 5 Anglo-Argentine [L]
1	10000   10   Barcelona   L
10 10 11111	TELEGRAPH COMPANIES   Shares.   Fel.   Eds.   Clos. gr.   Shares.   Fel.   Eds.   Clos. gr.   Shares.   Eds.   Clos. gr.   Shares.   Eds.
	10 London Platino Brazilian 10 0 4½ 5%

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